



# SCREW MOUNT TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

CAT. No. E1001E (Ver.2)

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勝 特 力 材 料 886-3-5753170  
 胜特力电子(上海) 86-21-54151736  
 胜特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



## CAPACITOR SERIES TABLE, CONTENTS

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| Series                              |                               | Features                                                | Endurance<br>(+R=With ripple)                                                | Standard type                  | Low impedance | Solvent-proof | Terminal type | Rated voltage range<br>(V <sub>dc</sub> ) | Capacitance range<br>(μF) |                |
|-------------------------------------|-------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------|---------------|---------------|---------------|-------------------------------------------|---------------------------|----------------|
| Conductive Polymer Electrolyte Type | PXC                           | Vertical type, super low ESR                            | 105°C 1,000 hours                                                            |                                | ●             | ●             | SMD           | 2.5 to 16                                 | 27 to 470                 |                |
|                                     | PXA                           | Vertical type, super low ESR                            | 105°C 2,000 hours                                                            |                                | ●             | ●             | SMD           | 2.5 to 25                                 | 10 to 1,500               |                |
|                                     | PXH                           | 125°C Vertical type                                     | 125°C 1,000 hours                                                            |                                | ●             | ●             | SMD           | 2.5 to 20                                 | 22 to 1,000               |                |
|                                     | PX                            | Horizontal type (Ask Engineering Bulletin in detail)    | 105°C 2,000 hours                                                            |                                | ●             | ●             | SMD           | 4 to 25                                   | 6.8 to 68                 |                |
|                                     | PSA <small>(Upgrade!)</small> | Super low ESR, high ripple                              | 105°C 2,000 hours                                                            |                                | ●             | ●             | Radial        | 2.5 to 16                                 | 100 to 1,000              |                |
|                                     | PS                            | Super low ESR, high ripple                              | 105°C 2,000 hours                                                            |                                | ●             | ●             | Radial        | 2.5 to 25                                 | 68 to 1,500               |                |
| Surface Mount                       | Horizontal Type               | MFS/MFA                                                 | 3.5 to 4.5mm height (Ask Engineering Bulletin in detail)                     | 85°C 1,000 to 2,000hours       |               |               | ●             | SMD                                       | 4 to 35                   | 0.1 to 100     |
|                                     |                               | MF                                                      | 3.2 to 4.7mm max. height (Ask Engineering Bulletin in detail)                | 85°C 2,000 hours               | ●             |               | ●             | SMD                                       | 4 to 50                   | 0.1 to 150     |
|                                     |                               | MFK                                                     | 3.7 to 4.7mm max. height (Ask Engineering Bulletin in detail)                | 105°C 1,000 hours              | ●             |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 100     |
|                                     |                               | MFK-Large                                               | 9.2mm max. height (Ask Engineering Bulletin in detail)                       | 105°C 2,000 hours              | ●             |               | ●             | SMD                                       | 10 to 50                  | 47 to 1,000    |
|                                     | Vertical Type                 | MVS                                                     | 4.5mm height                                                                 | 85°C 2,000 hours               | ●             |               | ●             | SMD                                       | 4 to 50                   | 0.1 to 220     |
|                                     |                               | MVA                                                     | 5.5 to 22.0mm max. height, downsized                                         | 85°C 2,000 hours               |               |               | ▲             | SMD                                       | 4 to 450                  | 0.1 to 10,000  |
|                                     |                               | MV                                                      | 5.5 to 10.5mm max. height                                                    | 85°C 1,000 to 2,000 hours      | ●             |               | ●             | SMD                                       | 4 to 63                   | 0.1 to 1,000   |
|                                     |                               | MVE                                                     | 5.5 to 22.0mm max. height, downsized                                         | 105°C 1,000 to 2,000 hours     |               |               | ▲             | SMD                                       | 6.3 to 450                | 0.47 to 6,800  |
|                                     |                               | MVK                                                     | 5.5 to 10.5mm max. height                                                    | 105°C 1,000 to 2,000 hours     | ●             |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 1,000   |
|                                     |                               | MKA                                                     | 5.5 to 10.5mm max. height                                                    | 105°C 1,000 to 2,000 hours     | ●             |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 1,000   |
|                                     |                               | MZA                                                     | 6.1 to 10.5mm max. height, very low ESR                                      | 105°C 2,000 hours              |               | ●             | ●             | SMD                                       | 6.3 to 50                 | 4.7 to 1,500   |
|                                     |                               | MVZ                                                     | 6.0 to 10.5mm max. height, very low ESR (Ask Engineering Bulletin in detail) | 105°C 1,000 to 2,000 hours     |               | ●             | ●             | SMD                                       | 6.3 to 25                 | 10 to 1,500    |
|                                     |                               | MVY                                                     | 5.5 to 22.0mm max. height                                                    | 105°C 1,000 to 5,000 hours     |               | ●             | ▲             | SMD                                       | 6.3 to 100                | 1.0 to 8,200   |
|                                     |                               | MLA <small>(NEW)</small>                                | Low Z, long life (Ask Engineering Bulletin in detail)                        | 105°C 3,000 hours              |               | ●             | ●             | SMD                                       | 6.3 to 50                 | 10 to 470      |
|                                     |                               | MVJ                                                     | 6.0mm max. height (Ask Engineering Bulletin in detail)                       | 105°C 2,000 hours              | ●             |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 100     |
|                                     |                               | MVL                                                     | 6.0 to 10.5mm max. height                                                    | 105°C 3,000 to 5,000 hours     |               |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 1,000   |
|                                     |                               | MVH                                                     | 6.0 to 22.0mm max. height                                                    | 125°C 1,000 to 5,000 hours     |               |               | ▲             | SMD                                       | 10 to 450                 | 3.3 to 4,700   |
|                                     |                               | MV-BP                                                   | 5.5mm max. height, bi-polar                                                  | 85°C 2,000 hours               |               |               | ●             | SMD                                       | 4 to 50                   | 0.1 to 47      |
|                                     |                               | MVK-BP                                                  | 6.0mm max. height, bi-polar                                                  | 105°C 1,000 hours              |               |               | ●             | SMD                                       | 6.3 to 50                 | 0.1 to 47      |
| Miniature                           | Low Profile                   | SRM                                                     | 5mm height, downsized                                                        | 85°C 1,000 hours               |               |               | ●             | Radial                                    | 4 to 50                   | 0.1 to 330     |
|                                     |                               | SRE                                                     | 5mm height                                                                   | 85°C 1,000 hours               | ●             |               |               | Radial                                    | 4 to 50                   | 0.1 to 100     |
|                                     |                               | KRE                                                     | 5mm height                                                                   | 105°C 1,000 hours              | ●             |               | ●             | Radial                                    | 6.3 to 50                 | 0.1 to 100     |
|                                     |                               | SRA                                                     | 7mm height                                                                   | 85°C 1,000 hours               | ●             |               |               | Radial                                    | 4 to 63                   | 0.1 to 470     |
|                                     |                               | KMA                                                     | 7mm height                                                                   | 105°C 1,000 hours              | ●             |               | ●             | Radial                                    | 4 to 63                   | 0.1 to 220     |
|                                     |                               | SRG                                                     | φ4×7 to φ18×25mm, low profile                                                | 85°C 1,000 to 2,000 hours      |               |               | ●             | Radial                                    | 4 to 50                   | 0.1 to 10,000  |
|                                     |                               | KRG                                                     | φ4×7 to φ18×25mm, low profile                                                | 105°C 1,000 hours              |               |               | ●             | Radial                                    | 6.3 to 50                 | 0.1 to 10,000  |
|                                     | General Purpose               | SMQ                                                     | Downsized                                                                    | 85°C 2,000 hours               | ●             |               |               | Radial                                    | 6.3 to 450                | 0.1 to 47,000  |
|                                     |                               | KMQ                                                     | Downsized                                                                    | 105°C 1,000 to 2,000 hours +R  | ●             |               | ▲             | Radial                                    | 6.3 to 450                | 0.1 to 47,000  |
|                                     |                               | SMG                                                     | General, downsized                                                           | 85°C 2,000 hours               | ●             |               | ▲             | Radial                                    | 6.3 to 450                | 0.1 to 39,000  |
|                                     |                               | KMG                                                     | General, downsized                                                           | 105°C 1,000 to 2,000 hours +R  | ●             |               | ▲             | Radial                                    | 6.3 to 450                | 0.1 to 22,000  |
|                                     |                               | SME                                                     | General (Ask Engineering Bulletin in detail)                                 | 85°C 2,000 hours               |               |               | ▲             | Radial                                    | 6.3 to 450                | 0.1 to 15,000  |
|                                     |                               | KME                                                     | General (Ask Engineering Bulletin in detail)                                 | 105°C 1,000 hours +R           |               |               | ▲             | Radial                                    | 6.3 to 400                | 0.1 to 15,000  |
|                                     |                               | SME-BP                                                  | Bi-polar, general                                                            | 85°C 2,000 hours               | ●             |               | ●             | Radial                                    | 6.3 to 100                | 0.47 to 6,800  |
|                                     |                               | KME-BP                                                  | Bi-polar, general                                                            | 105°C 1,000 hours              | ●             |               | ●             | Radial                                    | 6.3 to 100                | 0.47 to 6,800  |
|                                     | High Frequency Use            | KZE <small>(Upgrade!)</small>                           | Lowest impedance, long life                                                  | 105°C 1,000 to 5,000 hours +R  |               | ●             |               | Radial                                    | 6.3 to 100                | 6.8 to 6,800   |
|                                     |                               | KZH                                                     | Lowest impedance, long life                                                  | 105°C 5,000 to 6,000 hours +R  |               | ●             |               | Radial                                    | 6.3 to 35                 | 47 to 8,200    |
|                                     |                               | KY                                                      | Low impedance, long life                                                     | 105°C 4,000 to 10,000 hours +R |               | ●             |               | Radial                                    | 6.3 to 50                 | 0.47 to 18,000 |
|                                     |                               | LXZ                                                     | Low impedance, downsized                                                     | 105°C 2,000 to 8,000 hours +R  |               | ●             | ●             | Radial                                    | 6.3 to 63                 | 12 to 18,000   |
| LXY                                 |                               | Low impedance, high reliability                         | 105°C 2,000 to 8,000 hours +R                                                | ●                              | ●             | ●             | Radial        | 10 to 63                                  | 10 to 8,200               |                |
| LXV                                 |                               | Low impedance                                           | 105°C 2,000 to 5,000 hours +R                                                | ●                              | ●             | ●             | Radial        | 6.3 to 100                                | 5.6 to 15,000             |                |
| KMY                                 |                               | Long life, general (Ask Engineering Bulletin in detail) | 105°C 4,000 to 7,000 hours +R                                                |                                | ●             |               | Radial        | 10 to 50                                  | 0.47 to 10,000            |                |
| KMF                                 |                               | Low impedance, high CV, general                         | 105°C 2,000 hours +R                                                         | ●                              | ●             |               | Radial        | 160 to 450                                | 2.2 to 220                |                |

: Promotional products

: Some of range are solvent-proof.



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| Series                    |                     |           | Features                                                                           | Endurance<br>(+R=With ripple)  | Standard type | Low impedance | Solvent-proof | Terminal type | Rated voltage range (Vdc) | Capacitance range (μF) |
|---------------------------|---------------------|-----------|------------------------------------------------------------------------------------|--------------------------------|---------------|---------------|---------------|---------------|---------------------------|------------------------|
| Miniature                 | High Reliability    | KXG       | Downsized, long life, for input filtering                                          | 105°C 8,000 to 10,000 hours +R |               | ●             |               | Radial        | 160 to 450                | 6.8 to 330             |
|                           |                     | KMX       | Long life, for input filtering<br>(Ask Engineering Bulletin in detail)             | 105°C 8,000 to 10,000 hours +R |               | ●             |               | Radial        | 160 to 450                | 3.3 to 680             |
|                           |                     | SMH       | φ20×20 to φ22×50mm                                                                 | 85°C 2,000 hours +R            | ●             |               |               | Radial        | 160 to 450                | 33 to 470              |
|                           |                     | KMH       | φ20×20 to φ22×50mm                                                                 | 105°C 2,000 hours +R           | ●             |               |               | Radial        | 160 to 450                | 33 to 470              |
|                           |                     | PAG       | Low profile, for input filtering                                                   | 105°C 2,000 hours +R           |               |               |               | Radial        | 200 to 450                | 18 to 560              |
|                           |                     | PA        | Low profile, for input filtering                                                   | 105°C 2,000 hours +R           |               |               |               | Radial        | 200 & 400                 | 10 to 150              |
|                           |                     | KLG       | No sparks with DC overvoltage                                                      | 105°C 2,000 hours +R           |               |               |               | Radial        | 200 & 400                 | 22 to 330              |
|                           |                     | FL        | Long life                                                                          | 105°C 3,000 hours +R           |               |               | ●             | Radial        | 6.3 to 50                 | 0.47 to 270            |
|                           |                     | LXA       | Long life (Ask Engineering Bulletin in detail)                                     | 105°C 5,000 to 7,000 hours     |               |               | ●             | Radial        | 10 to 63                  | 0.47 to 4,700          |
|                           |                     | GXE       | 125°C, downsize, low impedance                                                     | 125°C 2,000 to 5,000 hours +R  |               | ●             | ▲             | Radial        | 10 to 450                 | 4.7 to 4,700           |
|                           |                     | GXL       | 125°C Long life                                                                    | 125°C 5,000/10,000 hours +R    |               |               | ●             | Radial        | 10 to 50                  | 100 to 4,700           |
|                           |                     | GHA (NEW) | 150°C (Ask Engineering Bulletin in detail)                                         | 150°C 1,000 hours              |               |               | ●             | Radial        | 10 to 100                 | 10 to 10,000           |
|                           | Special Application | LBG       | For airbag                                                                         | 105°C 5,000 hours +R           |               | ●             | ●             | Radial        | 16 to 35                  | 820 to 6,800           |
|                           |                     | KZJ (NEW) | For PC motherboard (Ask Engineering Bulletin in detail)                            | 105°C 2,000 hours +R           |               | ●             |               | Radial        | 6.3 to 16                 | 470 to 3,300           |
|                           |                     | KZG       | For PC motherboard (Ask Engineering Bulletin in detail)                            | 105°C 2,000 hours +R           |               | ●             |               | Radial        | 6.3 to 16                 | 470 to 3,300           |
|                           |                     | LLA       | Low DC leakage, general                                                            | 85°C 1,000 hours               |               |               | ●             | Radial        | 6.3 to 50                 | 0.1 to 15,000          |
|                           |                     | PH        | For photo flash                                                                    | 55°C 5,000 times charging      |               |               |               | Radial        | 300 & 330                 | —                      |
| Large Sized               | General Purpose     | SMQ       | Snap-in terminal, more downsized                                                   | 85°C 2,000 hours +R            | ●             |               |               | Pin           | 160 to 450                | 82 to 3,900            |
|                           |                     | KMQ       | Snap-in terminal, more downsized                                                   | 105°C 2,000 hours +R           | ●             |               |               | Pin           | 160 to 450                | 68 to 3,300            |
|                           |                     | SMM       | Snap-in terminal, downsized                                                        | 85°C 3,000 hours +R            | ●             |               |               | Pin           | 160 to 450                | 47 to 3,300            |
|                           |                     | KMM       | Snap-in terminal, downsized                                                        | 105°C 2,000 to 3,000 hours +R  | ●             |               |               | Pin           | 160 to 450                | 39 to 3,300            |
|                           |                     | SMH       | Snap-in terminal, general<br>(Refer Engineering Bulletin for 160 to 450V)          | 85°C 2,000 hours +R            | ●             |               |               | Pin           | 6.3 to 100                | 820 to 100,000         |
|                           |                     | KMH       | Snap-in terminal, general<br>(Refer Engineering Bulletin for 160 to 450V)          | 105°C 2,000 hours +R           | ●             |               |               | Pin           | 6.3 to 100                | 560 to 82,000          |
|                           | Low Profile         | SLM       | 15mm height                                                                        | 85°C 2,000 hours +R            |               |               |               | Pin           | 160 to 400                | 47 to 560              |
|                           |                     | KLM       | 15mm height                                                                        | 105°C 2,000 hours +R           |               |               |               | Pin           | 160 to 400                | 39 to 390              |
|                           | High Reliability    | LXM       | Long life                                                                          | 105°C 7,000 hours +R           |               |               |               | Pin           | 160 to 450                | 47 to 2,200            |
|                           |                     | LXQ       | Long life, downsized                                                               | 105°C 5,000 hours +R           |               |               |               | Pin           | 160 to 450                | 82 to 2,700            |
|                           |                     | LXG       | Long life                                                                          | 105°C 5,000 hours +R           |               |               |               | Pin           | 10 to 100                 | 390 to 47,000          |
|                           |                     | CHA       | No sparks with DC overvoltage, downsized                                           | 105°C 2,000 hours +R           |               |               |               | Pin           | 200 & 400                 | 56 to 1,200            |
|                           |                     | LXH       | No sparks with DC overvoltage                                                      | 105°C 3,000/5,000 hours +R     |               |               |               | Pin           | 200 & 400                 | 68 to 1,500            |
|                           |                     | KLG       | No sparks with DC overvoltage<br>(Ask Engineering Bulletin in detail)              | 105°C 2,000 hours +R           |               |               |               | Pin           | 200 & 400                 | 33 to 1,500            |
|                           |                     | KSL       | Mechanically open circuit failure mode cap<br>(Ask Engineering Bulletin in detail) | 105°C 2,000 hours +R           |               |               |               | Pin           | 200 & 400                 | 180 to 1,500           |
|                           |                     | RWE-LR    | For air-conditioning                                                               | 85°C 3,000 hours +R            |               |               |               | Lug           | 250 to 450                | 330 to 2,200           |
| Screw-mount Terminal Type | General Purpose     | SME       | Screw terminal, general                                                            | 85°C 2,000 hours +R            | ●             |               |               | Screw         | 10 to 250                 | 560 to 680,000         |
|                           |                     | KMH       | Screw terminal, general                                                            | 105°C 2,000 hours +R           | ●             |               |               | Screw         | 10 to 400                 | 180 to 680,000         |
|                           | For Inverter        | FTP       | Ellips can shape, high ripple                                                      | 85°C 5,000 hours +R            |               |               |               | Screw         | 63 to 450                 | 270 to 21,000          |
|                           |                     | RWE       | High ripple                                                                        | 85°C 2,000 hours +R            | ●             |               |               | Screw         | 350 to 550                | 100 to 12,000          |
|                           |                     | RWY       | High ripple, long life, low cost                                                   | 85°C 5,000 hours +R            |               |               |               | Screw         | 350 to 450                | 500 to 14,000          |
|                           |                     | RWF       | High ripple, long life                                                             | 85°C 5,000 hours +R            |               |               |               | Screw         | 350 to 450                | 1,200 to 22,000        |
|                           |                     | RWL       | High ripple, long life                                                             | 85°C 20,000 hours +R           |               |               |               | Screw         | 350 to 450                | 2,200 to 12,000        |
|                           |                     | LXA       | Long life                                                                          | 105°C 2,000/5,000 hours +R     |               |               |               | Screw         | 10 to 525                 | 330 to 390,000         |
|                           |                     | LXR       | High ripple, long life                                                             | 105°C 5,000 hours +R           |               |               |               | Screw         | 350 to 450                | 2,200 to 15,000        |
|                           |                     | LWY       | Low cost (Ask Engineering Bulletin in detail)                                      | 105°C 5,000 hours +R           |               |               |               | Screw         | 350 to 450                | 500 to 14,000          |
|                           |                     | KW        | Low impedance (Ask Engineering Bulletin in detail)                                 | 105°C 2,000 hours              |               | ●             |               | Screw         | 10 to 100                 | 1,000 to 100,000       |

: Promotional products

: Some of range are solvent-proof.

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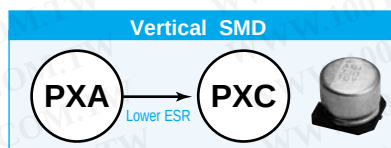
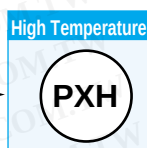


## GROUP CHART

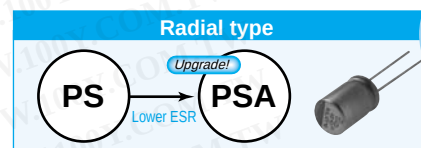
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## CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

## ◆SURFACE MOUNT


 Digitalization  
Super Low ESR

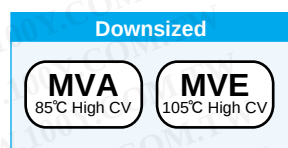
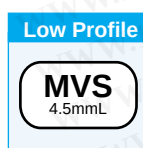
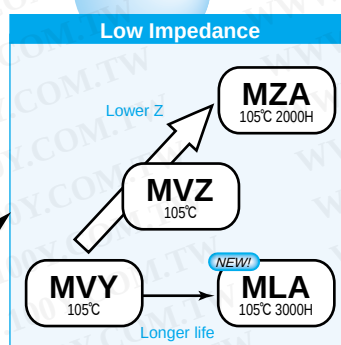
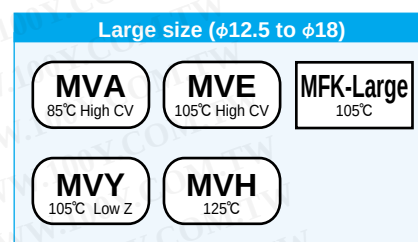
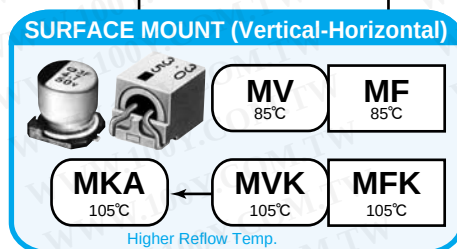
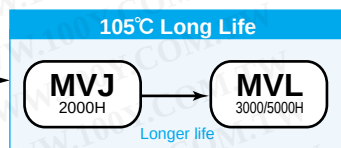
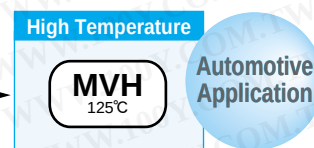
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 Digitalization  
Super Low ESR

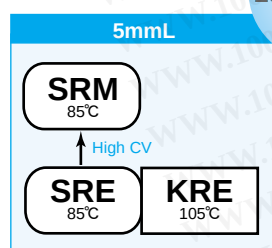
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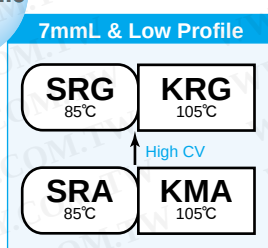
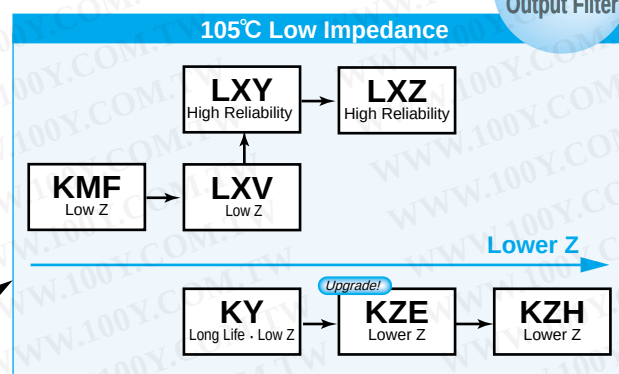
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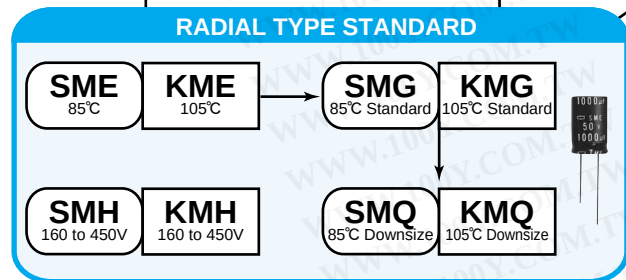
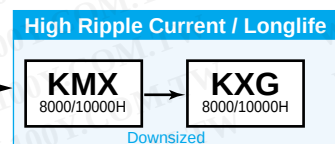
## ◆RADIAL LEAD



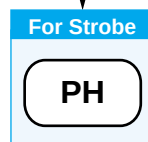
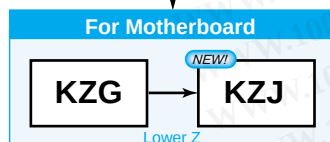
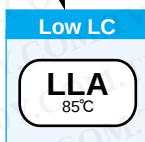
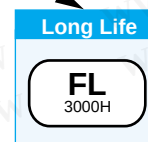
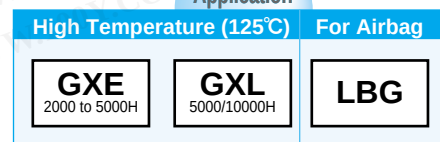
Low Profile



Power Supply Output Filter



Adapter/ Ballast



Automotive Application

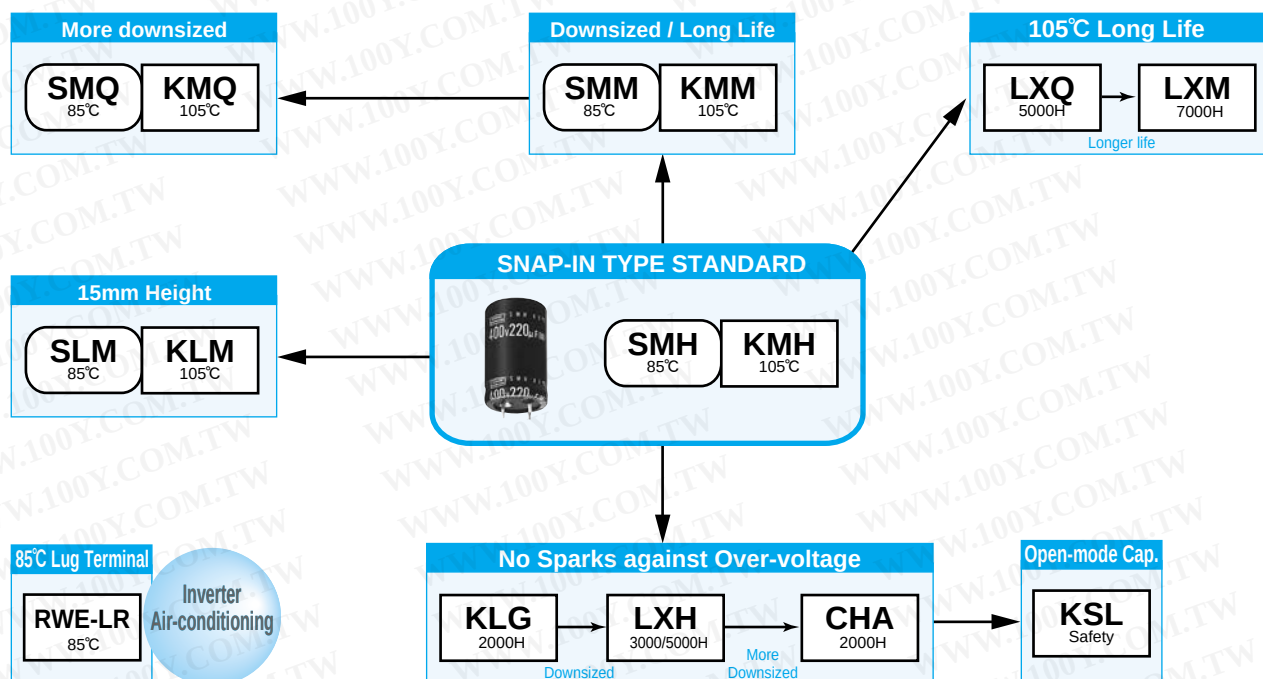


## GROUP CHART

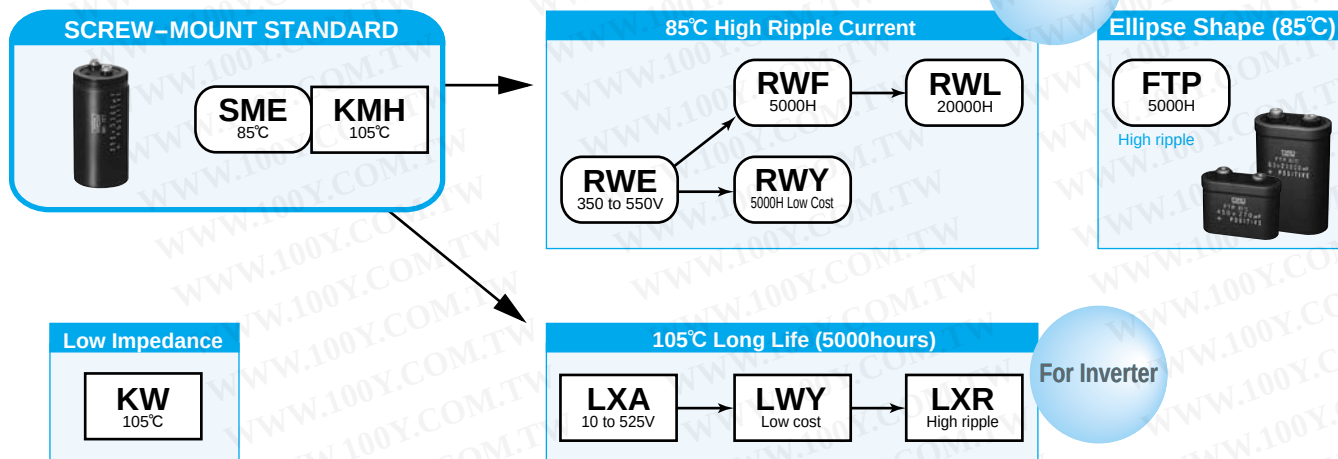
[Previous page](#)

## ALUMINUM ELECTROLYTIC CAPACITORS

## ◆SNAP-IN



## ◆SCREW-MOUNT TERMINAL



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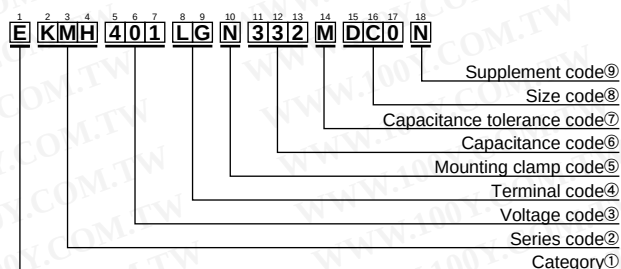


## PART NUMBERING SYSTEM

### A guide to global code (Screw mount terminal type)

(Example : KMH series, 400V-3300 $\mu$ F,  $\phi$ 63.5 $\times$ 120L, Without mounting clamp)

Refer to the following table about global code for screw mount terminal type



①Category

| Type  | Code<br>1th |
|-------|-------------|
| Polar | E           |

②Series code

| Series name    | Code |     |     |
|----------------|------|-----|-----|
|                | 2th  | 3th | 4th |
| SME            | S    | M   | E   |
| No series name | C    | S   | T   |

③Voltage code

| Voltage<br>(V) | Code |     |     |
|----------------|------|-----|-----|
|                | 5th  | 6th | 7th |
| 10             | 1    | 0   | 0   |
| 16             | 1    | 6   | 0   |
| 25             | 2    | 5   | 0   |
| 35             | 3    | 5   | 0   |
| 50             | 5    | 0   | 0   |
| 63             | 6    | 3   | 0   |
| 80             | 8    | 0   | 0   |
| 100            | 1    | 0   | 1   |
| 160            | 1    | 6   | 1   |
| 200            | 2    | 0   | 1   |
| 250            | 2    | 5   | 1   |
| 315            | 3    | B   | 1   |
| 350            | 3    | 5   | 1   |
| 400            | 4    | 0   | 1   |
| 450            | 4    | 5   | 1   |
| 500            | 5    | 0   | 1   |
| 525            | 5    | C   | 1   |
| 550            | 5    | 5   | 1   |

④Terminal code

| Type           | Code |     |
|----------------|------|-----|
|                | 8th  | 9th |
| Screw terminal | L    | G   |

⑤Mounting clamp code

| Type          | Code<br>10th |
|---------------|--------------|
|               | B            |
|               | C            |
| Without clamp | N            |

⑥Capacitance code

| Cap.<br>( $\mu$ F) | Code |      |      |
|--------------------|------|------|------|
|                    | 11th | 12th | 13th |
| 100                | 1    | 0    | 1    |
| 220                | 2    | 2    | 1    |
| 330                | 3    | 3    | 1    |
| 470                | 4    | 7    | 1    |
| 680                | 6    | 8    | 1    |
| 1000               | 1    | 0    | 2    |
| 2200               | 2    | 2    | 2    |
| 3300               | 3    | 3    | 2    |
| 4700               | 4    | 7    | 2    |
| 6800               | 6    | 8    | 2    |
| 10000              | 1    | 0    | 3    |
| 22000              | 2    | 2    | 3    |
| 33000              | 3    | 3    | 3    |
| 47000              | 4    | 7    | 3    |
| 68000              | 6    | 8    | 3    |
| 100000             | 1    | 0    | 4    |
| 220000             | 2    | 2    | 4    |
| 330000             | 3    | 3    | 4    |
| 470000             | 4    | 7    | 4    |
| 680000             | 6    | 8    | 4    |

⑦Capacitance tolerance

| Tol.<br>(%) | Code<br>14th |
|-------------|--------------|
| $\pm 20$    | M            |

⑧Size code

| $\phi$ D | Code<br>15th |
|----------|--------------|
| 35       | A            |
| 50       | C            |
| 63.5     | D            |
| 76       | E            |
| 89       | F            |
| 100      | G            |

| L   | Code |      |
|-----|------|------|
|     | 16th | 17th |
| 50  | 5    | 0    |
| 60  | 6    | 0    |
| 75  | 7    | 5    |
| 80  | 8    | 0    |
| 85  | 8    | 5    |
| 96  | 9    | 6    |
| 100 | A    | 0    |
| 105 | A    | 5    |
| 115 | B    | 5    |
| 120 | C    | 0    |
| 125 | C    | 5    |
| 130 | D    | 0    |
| 140 | E    | 0    |
| 145 | E    | 5    |
| 155 | F    | 5    |
| 170 | H    | 0    |
| 190 | K    | 0    |
| 220 | N    | 0    |
| 250 | R    | 0    |
| 270 | T    | 0    |

⑨Supplement code

| Sleeve material | Code<br>18th |
|-----------------|--------------|
| Polyolefin      | S            |
| PVC             | N            |

\* Refer to the appendix (Global code) for codes does not listed.

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Standard screw terminals, 85°C

## SME Series

●Endurance with ripple current : 85°C 2000 hours



### ◆SPECIFICATIONS

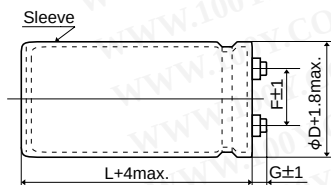
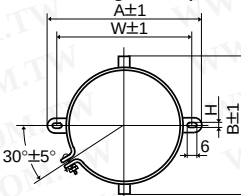
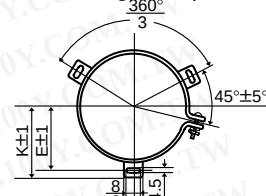
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -40 to +85°C (10 to 100V <sub>dc</sub> ) -25 to +85°C (160 to 250V <sub>dc</sub> )                                                                                                                                                                                                                                                                                                                                                               |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 10 to 250V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | Shall not exceed the values shown in the STANDARD RATINGS (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.                                                                                                                                                                                                 |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000V <sub>ac</sub> is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 85°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤150% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                             | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤150% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤150% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |

### ◆DIMENSIONS (Screw-Mount) [mm]

●Terminal Code : LG

●Mounting Clamp Code : B

●Mounting Clamp Code : C



| φD   | A     | B  | W    | H   | F    |
|------|-------|----|------|-----|------|
| 35   | 58    | 44 | 48   | 3.5 | 12.7 |
| 50   | 78    | 64 | 68   | 4.5 | 22.4 |
| 63.5 | 90    | 76 | 80   | 4.5 | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 4.5 | 31.5 |

| φD   | E    | K    | J    | F    |
|------|------|------|------|------|
| 50   | 32.5 | 37.0 | 14.0 | 22.4 |
| 63.5 | 38.1 | 43.5 | 14.0 | 28.0 |
| 76   | 44.5 | 50.0 | 14.0 | 31.5 |
| 89   | 50.8 | 56.5 | 16.0 | 31.5 |

φ35 to φ63.5 : G=6

φ76 &amp; φ89 : G=5

&lt;Screw specifications&gt;

Plus hexagon-headed screw:

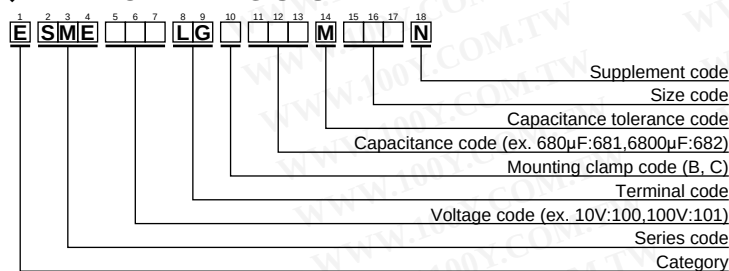
M5×0.8×10

Maximum screw tightening torque:

3.23Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

### ◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

| Rated voltage (V <sub>dc</sub> ) | Case diameter (mm) | Frequency (Hz) |      |      |      |      |      |
|----------------------------------|--------------------|----------------|------|------|------|------|------|
|                                  |                    | 50             | 120  | 300  | 1k   | 10k  | 50k  |
| 10 to 50                         | φ35 to φ89         | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
|                                  | φ35                | 0.90           | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 |
| 63 & 80                          | φ50 to φ89         | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
|                                  | φ35                | 0.82           | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 |
| 100                              | φ50                | 0.90           | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 |
|                                  | φ63.5 to φ89       | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
| 160 to 250                       | φ35                | 0.80           | 1.00 | 1.19 | 1.34 | 1.46 | 1.52 |
|                                  | φ50 & φ63.5        | 0.81           | 1.00 | 1.14 | 1.26 | 1.36 | 1.41 |
|                                  | φ76 & φ89          | 0.82           | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 |

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Standard screw terminals, 85°C

## SME Series

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### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,120Hz) | Part No.            |
|----------|----------|--------------------|------|-----------------------------------------|--------------------|----------|----------|--------------------|------|-----------------------------------------|---------------------|
| 10       | 39000    | 35×50              | 0.60 | 4.7                                     | ESME100LGB393MA50N | 63       | 47000    | 63.5×100           | 0.40 | 10.2                                    | ESME630LGC473MDA0N  |
|          | 82000    | 35×80              | 0.60 | 7.4                                     | ESME100LGB823MA80N |          | 68000    | 63.5×120           | 0.40 | 13.3                                    | ESME630LGC683MDC0N  |
|          | 100000   | 35×100             | 0.70 | 8.0                                     | ESME100LGB104MAA0N |          | 100000   | 76×120             | 0.45 | 17.1                                    | ESME630LGC104MEC0N  |
|          | 120000   | 35×120             | 0.70 | 9.4                                     | ESME100LGB124MAC0N |          | 120000   | 76×140             | 0.50 | 19.0                                    | ESME630LGC124MEE0N  |
|          | 150000   | 50×80              | 0.90 | 9.8                                     | ESME100LGC154MC80N |          | 150000   | 89×140             | 0.55 | 22.0                                    | ESME630LGC154MFE0N  |
|          | 220000   | 50×100             | 1.00 | 12.1                                    | ESME100LGC224MCA0N | 80       | 3300     | 35×50              | 0.15 | 2.5                                     | ESME800LGB332MA50N  |
|          | 270000   | 50×120             | 1.20 | 13.6                                    | ESME100LGC274MCC0N |          | 6800     | 35×80              | 0.20 | 3.7                                     | ESME800LGB682MA80N  |
|          | 390000   | 63.5×100           | 1.50 | 15.3                                    | ESME100LGC394MDA0N |          | 10000    | 35×100             | 0.20 | 4.9                                     | ESME800LGB103MAA0N  |
|          | 470000   | 63.5×120           | 2.00 | 16.0                                    | ESME100LGC474MDC0N |          | 12000    | 35×120             | 0.20 | 5.4                                     | ESME800LGB123MAC0N  |
|          | 560000   | 76×100             | 2.50 | 17.3                                    | ESME100LGC564MEA0N |          | 15000    | 50×80              | 0.25 | 6.0                                     | ESME800LGC153MC80N  |
|          | 680000   | 76×120             | 3.00 | 18.7                                    | ESME100LGC684MEC0N |          | 22000    | 50×100             | 0.30 | 7.1                                     | ESME800LGC223MCA0N  |
| 16       | 27000    | 35×50              | 0.45 | 4.2                                     | ESME160LGB273MA50N |          | 27000    | 50×120             | 0.30 | 8.6                                     | ESME800LGB273MCC0N  |
|          | 56000    | 35×80              | 0.60 | 6.5                                     | ESME160LGB563MA80N |          | 33000    | 63.5×100           | 0.35 | 9.3                                     | ESME800LGC333MDA0N  |
|          | 82000    | 35×100             | 0.70 | 8.0                                     | ESME160LGB823MAA0N |          | 47000    | 63.5×120           | 0.35 | 12.0                                    | ESME800LGC473MDC0N  |
|          | 100000   | 35×120             | 0.70 | 9.6                                     | ESME160LGB104MAC0N |          | 68000    | 76×120             | 0.35 | 15.4                                    | ESME800LGC683MEC0N  |
|          | 120000   | 50×80              | 0.80 | 9.6                                     | ESME160LGC124MC80N |          | 82000    | 76×140             | 0.35 | 18.1                                    | ESME800LGC823MEE0N  |
|          | 150000   | 50×100             | 0.90 | 11.2                                    | ESME160LGC154MCA0N |          | 100000   | 89×140             | 0.40 | 21.0                                    | ESME800LGC104MFE0N  |
|          | 220000   | 50×120             | 1.00 | 14.2                                    | ESME160LGC224MCC0N | 100      | 2200     | 35×50              | 0.10 | 2.5                                     | ESME101LGB222MA50N  |
|          | 270000   | 63.5×100           | 1.20 | 15.3                                    | ESME160LGC274MDA0N |          | 4700     | 35×80              | 0.15 | 3.4                                     | ESME101LGB472MA80N  |
|          | 330000   | 63.5×120           | 1.30 | 17.1                                    | ESME160LGC334MDC0N |          | 6800     | 35×100             | 0.15 | 4.2                                     | ESME101LGB682MAA0N  |
|          | 390000   | 76×100             | 1.60 | 18.0                                    | ESME160LGC394MEA0N |          | 8200     | 35×120             | 0.15 | 5.0                                     | ESME101LGB822MAC0N  |
|          | 470000   | 76×120             | 1.80 | 19.3                                    | ESME160LGC474MEC0N |          | 10000    | 50×80              | 0.20 | 5.2                                     | ESME101LGC103MC80N  |
|          | 560000   | 76×140             | 2.00 | 20.7                                    | ESME160LGC564MEE0N |          | 18000    | 50×120             | 0.20 | 8.1                                     | ESME101LGC183MCC0N  |
| 25       | 18000    | 35×50              | 0.35 | 4.0                                     | ESME250LGB183MA50N |          | 22000    | 63.5×100           | 0.25 | 8.6                                     | ESME101LGC223MDA0N  |
|          | 39000    | 35×80              | 0.40 | 6.2                                     | ESME250LGB393MA80N |          | 27000    | 63.5×120           | 0.25 | 10.3                                    | ESME101LGC273MDC0N  |
|          | 47000    | 35×100             | 0.40 | 7.4                                     | ESME250LGB473MAA0N |          | 33000    | 76×100             | 0.25 | 11.1                                    | ESME101LGC333MEA0N  |
|          | 56000    | 35×120             | 0.45 | 8.3                                     | ESME250LGB563MAC0N |          | 39000    | 76×120             | 0.25 | 12.4                                    | ESME101LGC393MEC0N  |
|          | 82000    | 50×80              | 0.50 | 9.7                                     | ESME250LGC823MC80N |          | 47000    | 76×140             | 0.25 | 14.3                                    | ESME101LGC473MEE0N  |
|          | 100000   | 50×100             | 0.60 | 10.8                                    | ESME250LGC104MCA0N |          | 68000    | 89×140             | 0.30 | 18.0                                    | ESME101LGC683MFE0N  |
|          | 120000   | 50×120             | 0.60 | 12.8                                    | ESME250LGC124MCC0N | 160      | 1200     | 35×50              | 0.15 | 2.0                                     | ESME161LGB122MA50N  |
|          | 180000   | 63.5×100           | 0.75 | 14.7                                    | ESME250LGC184MDA0N |          | 2200     | 35×80              | 0.15 | 3.4                                     | ESME161LGB222MA80N  |
|          | 220000   | 63.5×120           | 0.80 | 16.8                                    | ESME250LGC224MDC0N |          | 2700     | 35×100             | 0.15 | 3.7                                     | ESME161LGB272MAA0N  |
|          | 270000   | 76×100             | 0.90 | 18.3                                    | ESME250LGC274MEA0N |          | 3300     | 35×120             | 0.15 | 4.5                                     | ESME161LGB332MAC0N  |
|          | 330000   | 76×120             | 1.00 | 20.7                                    | ESME250LGC334MEC0N |          | 4700     | 50×80              | 0.20 | 5.6                                     | ESME161LGC472MC80N  |
|          | 390000   | 76×140             | 1.20 | 22.1                                    | ESME250LGC394MEE0N |          | 6800     | 50×100             | 0.20 | 7.5                                     | ESME161LGC682MCA0N  |
|          | 560000   | 89×140             | 1.50 | 25.8                                    | ESME250LGC564MFE0N |          | 8200     | 50×120             | 0.20 | 8.1                                     | ESME161LGC822MCC0N  |
| 35       | 15000    | 35×50              | 0.30 | 3.9                                     | ESME350LGB153MA50N |          | 10000    | 63.5×100           | 0.20 | 9.8                                     | ESME161LGC103MDA0N  |
|          | 33000    | 35×80              | 0.40 | 6.0                                     | ESME350LGB333MA80N |          | 12000    | 63.5×120           | 0.20 | 10.8                                    | ESME161LGC123MDC0N  |
|          | 39000    | 35×100             | 0.40 | 7.0                                     | ESME350LGB393MAA0N |          | 15000    | 76×100             | 0.20 | 12.7                                    | ESME161LGC153MEA0N  |
|          | 47000    | 35×120             | 0.45 | 8.0                                     | ESME350LGB473MAC0N |          | 18000    | 76×120             | 0.20 | 14.0                                    | ESME161LGC183MEC0N  |
|          | 68000    | 50×80              | 0.50 | 9.0                                     | ESME350LGC683MC80N |          | 22000    | 76×140             | 0.20 | 16.6                                    | ESME161LGC223MEE0N  |
|          | 82000    | 50×100             | 0.55 | 10.3                                    | ESME350LGC823MCA0N |          | 33000    | 89×140             | 0.25 | 18.9                                    | ESME161LGC333MFE0N  |
|          | 120000   | 50×120             | 0.60 | 12.8                                    | ESME350LGC124MCC0N | 200      | 820      | 35×50              | 0.15 | 1.6                                     | ESME201LGB8221MA50N |
|          | 150000   | 63.5×100           | 0.70 | 14.0                                    | ESME350LGC154MDA0N |          | 1800     | 35×80              | 0.15 | 2.8                                     | ESME201LGB182MA80N  |
|          | 180000   | 63.5×120           | 0.70 | 16.6                                    | ESME350LGC184MDC0N |          | 2200     | 35×100             | 0.15 | 3.6                                     | ESME201LGB222MAA0N  |
|          | 220000   | 76×100             | 0.75 | 17.3                                    | ESME350LGC224MEA0N |          | 2700     | 35×120             | 0.15 | 4.0                                     | ESME201LGB272MAC0N  |
|          | 270000   | 76×120             | 0.80 | 19.8                                    | ESME350LGC274MEC0N |          | 3300     | 50×80              | 0.15 | 4.5                                     | ESME201LGC332MC80N  |
|          | 330000   | 76×140             | 0.90 | 22.5                                    | ESME350LGC334MEE0N |          | 4700     | 50×100             | 0.15 | 7.1                                     | ESME201LGC472MCA0N  |
|          | 470000   | 89×140             | 1.00 | 28.3                                    | ESME350LGC474MFE0N |          | 5600     | 50×120             | 0.15 | 8.2                                     | ESME201LGC562MCC0N  |
| 50       | 10000    | 35×50              | 0.25 | 4.1                                     | ESME500LGB103MA50N |          | 8200     | 63.5×100           | 0.20 | 10.0                                    | ESME201LGC822MDA0N  |
|          | 18000    | 35×80              | 0.25 | 5.2                                     | ESME500LGB183MA80N |          | 10000    | 63.5×120           | 0.20 | 11.0                                    | ESME201LGC103MDC0N  |
|          | 22000    | 35×100             | 0.30 | 5.9                                     | ESME500LGB223MAA0N |          | 12000    | 76×100             | 0.20 | 11.5                                    | ESME201LGC123MEA0N  |
|          | 27000    | 35×120             | 0.35 | 6.6                                     | ESME500LGB273MAC0N |          | 15000    | 76×120             | 0.20 | 12.8                                    | ESME201LGC153MEC0N  |
|          | 39000    | 50×80              | 0.40 | 7.4                                     | ESME500LGC393MC80N |          | 18000    | 76×140             | 0.20 | 15.0                                    | ESME201LGC183MEE0N  |
|          | 56000    | 50×100             | 0.40 | 9.8                                     | ESME500LGC563MCA0N |          | 22000    | 89×140             | 0.25 | 15.6                                    | ESME201LGC223MFE0N  |
|          | 68000    | 50×120             | 0.45 | 11.1                                    | ESME500LGC683MCC0N | 250      | 560      | 35×50              | 0.15 | 1.3                                     | ESME251LGB561MA50N  |
|          | 82000    | 63.5×100           | 0.50 | 12.2                                    | ESME500LGC823MDA0N |          | 1200     | 35×80              | 0.15 | 2.3                                     | ESME251LGB122MA80N  |
|          | 120000   | 63.5×120           | 0.50 | 16.0                                    | ESME500LGC124MDC0N |          | 1500     | 35×100             | 0.15 | 3.0                                     | ESME251LGB152MAA0N  |
|          | 150000   | 76×120             | 0.60 | 18.1                                    | ESME500LGC154MEC0N |          | 1800     | 35×120             | 0.15 | 3.3                                     | ESME251LGB182MAC0N  |
|          | 180000   | 76×140             | 0.70 | 19.5                                    | ESME500LGC184MEE0N |          | 2200     | 50×80              | 0.15 | 3.7                                     | ESME251LGC222MC80N  |
|          | 270000   | 89×140             | 0.80 | 24.6                                    | ESME500LGC274MFE0N |          | 3300     | 50×100             | 0.15 | 5.1                                     | ESME251LGC332MCA0N  |
| 63       | 5600     | 35×50              | 0.20 | 3.0                                     | ESME630LGB562MA50N |          | 3900     | 50×120             | 0.15 | 5.9                                     | ESME251LGC392MCC0N  |
|          | 10000    | 35×80              | 0.25 | 4.0                                     | ESME630LGB103MA80N |          | 4700     | 63.5×100           | 0.20 | 6.9                                     | ESME251LGC472MDA0N  |
|          | 15000    | 35×100             | 0.25 | 5.3                                     | ESME630LGB153MAA0N |          | 6800     | 63.5×120           | 0.20 | 8.7                                     | ESME251LGC682MDC0N  |
|          | 18000    | 35×120             | 0.25 | 6.2                                     | ESME630LGB183MAC0N |          | 10000    | 76×120             | 0.20 | 11.1                                    | ESME251LGC103MEC0N  |
|          | 22000    | 50×80              | 0.30 | 6.5                                     | ESME630LGC223MC80N |          | 12000    | 76×140             | 0.20 | 13.0                                    | ESME251LGC123MEE0N  |
|          | 33000    | 50×100             | 0.35 | 8.1                                     | ESME630LGC333MCA0N |          | 15000    | 89×140             | 0.20 | 14.9                                    | ESME251LGC153MFE0N  |
| 63       | 39000    | 50×120             | 0.35 | 9.6                                     | ESME630LGC393MCC0N |          |          |                    |      |                                         |                     |

# KMH Series

- Downsized from KME series
- Endurance with ripple current : 105°C 2000 hours



105°C

SME



## ◆ SPECIFICATIONS

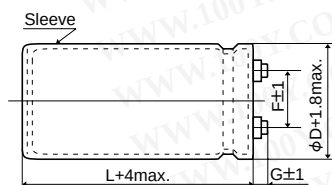
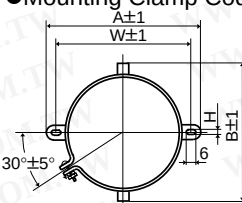
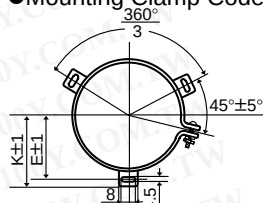
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                            |             |                                      |                 |                              |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category Temperature Range      | -40 to +105°C (10 to 100V <sub>dc</sub> )    -25 to +105°C (160 to 400V <sub>dc</sub> )                                                                                                                                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 10 to 400V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | Shall not exceed the values shown in the STANDARD RATINGS (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change    10 to 100V <sub>dc</sub> : C(-40°C)/C(+20°C)≥0.6<br>160 to 400V <sub>dc</sub> : C(-25°C)/C(+20°C)≥0.7 (at 120Hz)                                                                                                                                                                                                                                                                                                               |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 105°C.<br><table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.<br><table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                             | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |

### ◆ DIMENSIONS (Screw-Mount) [mm]

- Terminal Code : LG

- Mounting Clamp Code : B

- Mounting Clamp Code : C



| $\phi D$ | A     | B  | W    | H   | F    |
|----------|-------|----|------|-----|------|
| 35       | 58    | 44 | 48   | 3.5 | 12.7 |
| 50       | 78    | 64 | 68   | 4.5 | 22.4 |
| 63.5     | 90    | 76 | 80   | 4.5 | 28.0 |
| 76       | 104.5 | 90 | 93.5 | 4.5 | 31.5 |

| $\phi D$ | E    | K    | J    | F    |
|----------|------|------|------|------|
| 50       | 32.5 | 37.0 | 14.0 | 22.4 |
| 63.5     | 38.1 | 43.5 | 14.0 | 28.0 |
| 76       | 44.5 | 50.0 | 14.0 | 31.5 |
| 89       | 50.8 | 56.5 | 16.0 | 31.5 |

$\phi 35$  to  $\phi 63.5$  : G=6

$\phi 76$  &  $\phi 89$  : G=5

<Screw specifications>

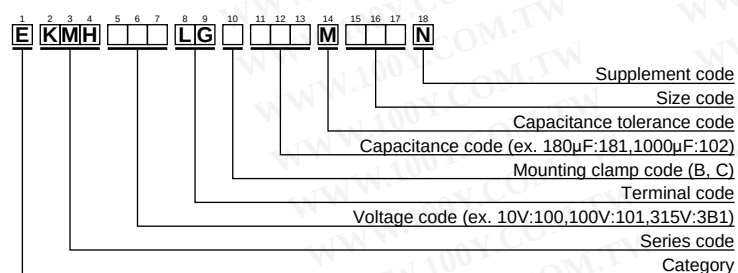
Plus hexagon-headed screw:

M5X0.8X10

Maximum screw tightening torque:

3.23Nm

## ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

勝特力材料 886-3-5753170  
勝特力電子(上海) 86-21-54151736  
勝特力電子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Standard screw terminals, 105°C

**KMH**Series

勝 特 力 材 料 886-3-5753170  
 勝 特 力 電 子 (上 海) 86-21-54151736  
 勝 特 力 電 子 (深 圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.          | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.          |
|----------|----------|--------------------|------|-----------------------------------------|-------------------|----------|----------|--------------------|------|-----------------------------------------|-------------------|
| 10       | 27000    | 35×50              | 0.45 | 4.9                                     | EKM100LGB273MA50N | 35       | 56000    | 50×100             | 0.40 | 11.4                                    | EKM350LGC563MCA0N |
|          | 33000    | 35×50              | 0.50 | 5.1                                     | EKM100LGB333MA50N |          | 68000    | 50×120             | 0.40 | 13.6                                    | EKM350LGC683MCC0N |
|          | 39000    | 35×60              | 0.50 | 5.9                                     | EKM100LGB393MA60N |          | 82000    | 63.5×100           | 0.45 | 14.8                                    | EKM350LGC823MDA0N |
|          | 47000    | 35×80              | 0.50 | 7.1                                     | EKM100LGB473MA80N |          | 100000   | 63.5×120           | 0.45 | 17.6                                    | EKM350LGC104MDC0N |
|          | 56000    | 35×80              | 0.60 | 7.1                                     | EKM100LGB563MA80N |          | 120000   | 63.5×120           | 0.55 | 17.6                                    | EKM350LGC124MDC0N |
|          | 68000    | 35×100             | 0.60 | 8.5                                     | EKM100LGB683MAA0N |          | 150000   | 76×120             | 0.65 | 19.8                                    | EKM350LGC154MEC0N |
|          | 82000    | 35×100             | 0.65 | 8.9                                     | EKM100LGB823MAA0N |          | 180000   | 76×120             | 0.80 | 19.8                                    | EKM350LGC184MEC0N |
|          | 100000   | 35×120             | 0.65 | 10.7                                    | EKM100LGB104MAC0N |          | 220000   | 76×140             | 0.80 | 23.4                                    | EKM350LGC224MEE0N |
|          | 120000   | 50×80              | 0.75 | 11.0                                    | EKM100LGC124MC80N |          | 270000   | 89×140             | 1.00 | 25.5                                    | EKM350LGC274MFE0N |
|          | 150000   | 50×100             | 0.80 | 13.2                                    | EKM100LGC154MCA0N | 50       | 3900     | 35×50              | 0.20 | 2.8                                     | EKM500LGB392MA50N |
|          | 180000   | 50×120             | 0.80 | 15.7                                    | EKM100LGC184MCC0N |          | 4700     | 35×50              | 0.20 | 3.1                                     | EKM500LGB472MA50N |
|          | 220000   | 50×120             | 0.85 | 16.8                                    | EKM100LGC224MCC0N |          | 5600     | 35×50              | 0.20 | 3.3                                     | EKM500LGB562MA50N |
|          | 270000   | 63.5×120           | 1.00 | 19.6                                    | EKM100LGC274MDC0N |          | 6800     | 35×50              | 0.25 | 3.3                                     | EKM500LGB682MA50N |
|          | 330000   | 63.5×120           | 1.20 | 19.7                                    | EKM100LGC334MDC0N |          | 8200     | 35×60              | 0.25 | 3.8                                     | EKM500LGB822MA60N |
|          | 390000   | 76×120             | 1.50 | 21.3                                    | EKM100LGC394MEC0N |          | 10000    | 35×80              | 0.25 | 4.6                                     | EKM500LGB103MA80N |
|          | 470000   | 76×120             | 1.80 | 21.4                                    | EKM100LGC474MEC0N |          | 12000    | 35×80              | 0.25 | 5.1                                     | EKM500LGB123MA80N |
|          | 560000   | 76×140             | 2.00 | 23.6                                    | EKM100LGC564MEE0N |          | 15000    | 35×80              | 0.25 | 5.7                                     | EKM500LGB153MA80N |
|          | 680000   | 89×140             | 2.40 | 26.0                                    | EKM100LGC684MFE0N |          | 18000    | 35×100             | 0.25 | 6.7                                     | EKM500LGB183MAA0N |
| 16       | 18000    | 35×50              | 0.40 | 4.2                                     | EKM160LGB183MA50N |          | 22000    | 35×120             | 0.25 | 8.1                                     | EKM500LGB223MAC0N |
|          | 22000    | 35×50              | 0.40 | 4.7                                     | EKM160LGB223MA50N |          | 27000    | 50×80              | 0.25 | 9.1                                     | EKM500LGC273MC80N |
|          | 27000    | 35×60              | 0.40 | 5.5                                     | EKM160LGB273MA60N |          | 33000    | 50×100             | 0.25 | 11.1                                    | EKM500LGC333MCA0N |
|          | 33000    | 35×60              | 0.45 | 5.7                                     | EKM160LGB333MA60N |          | 39000    | 50×120             | 0.25 | 13.1                                    | EKM500LGC393MCC0N |
|          | 39000    | 35×80              | 0.45 | 6.8                                     | EKM160LGB393MA80N |          | 47000    | 50×120             | 0.30 | 13.9                                    | EKM500LGC473MCC0N |
|          | 47000    | 35×80              | 0.50 | 7.1                                     | EKM160LGB473MA80N |          | 56000    | 63.5×100           | 0.35 | 13.9                                    | EKM500LGC563MDA0N |
|          | 56000    | 35×100             | 0.50 | 8.4                                     | EKM160LGB563MAA0N |          | 68000    | 63.5×120           | 0.35 | 16.6                                    | EKM500LGC683MDC0N |
|          | 68000    | 35×100             | 0.55 | 8.8                                     | EKM160LGB683MAA0N |          | 82000    | 76×120             | 0.40 | 18.9                                    | EKM500LGC823MEC0N |
|          | 82000    | 50×80              | 0.55 | 10.7                                    | EKM160LGC823MC80N |          | 100000   | 76×120             | 0.45 | 19.5                                    | EKM500LGC104MEC0N |
|          | 100000   | 50×80              | 0.65 | 10.8                                    | EKM160LGC104MC80N |          | 120000   | 76×120             | 0.55 | 19.5                                    | EKM500LGC124MEC0N |
|          | 120000   | 50×100             | 0.65 | 13.1                                    | EKM160LGC124MCA0N |          | 150000   | 89×140             | 0.60 | 23.9                                    | EKM500LGC154MFE0N |
|          | 150000   | 50×120             | 0.70 | 15.3                                    | EKM160LGC154MCC0N |          | 180000   | 89×140             | 0.75 | 23.9                                    | EKM500LGC184MFE0N |
|          | 180000   | 50×120             | 0.80 | 15.7                                    | EKM160LGC184MCC0N | 63       | 2700     | 35×50              | 0.20 | 2.3                                     | EKM630LGB272MA50N |
|          | 220000   | 63.5×120           | 0.85 | 19.2                                    | EKM160LGC224MDC0N |          | 3300     | 35×50              | 0.20 | 2.5                                     | EKM630LGB332MA50N |
|          | 270000   | 63.5×120           | 1.00 | 19.6                                    | EKM160LGC274MDC0N |          | 3900     | 35×50              | 0.20 | 2.8                                     | EKM630LGB392MA50N |
|          | 330000   | 76×120             | 1.30 | 21.1                                    | EKM160LGC334MEC0N |          | 4700     | 35×50              | 0.20 | 3.1                                     | EKM630LGB472MA50N |
|          | 390000   | 76×120             | 1.50 | 21.3                                    | EKM160LGC394MEC0N |          | 5600     | 35×60              | 0.20 | 3.5                                     | EKM630LGB562MA60N |
|          | 470000   | 76×140             | 1.60 | 24.2                                    | EKM160LGC474MEE0N |          | 6800     | 35×60              | 0.20 | 3.9                                     | EKM630LGB682MA60N |
|          | 560000   | 89×140             | 2.00 | 28.1                                    | EKM160LGC564MFE0N |          | 8200     | 35×80              | 0.20 | 4.7                                     | EKM630LGB822MA80N |
|          | 680000   | 89×140             | 2.40 | 28.5                                    | EKM160LGC684MFE0N |          | 10000    | 35×80              | 0.25 | 4.7                                     | EKM630LGB103MA80N |
| 25       | 12000    | 35×50              | 0.35 | 3.7                                     | EKM250LGB123MA50N |          | 12000    | 35×100             | 0.25 | 5.5                                     | EKM630LGB123MAA0N |
|          | 15000    | 35×50              | 0.35 | 4.1                                     | EKM250LGB153MA50N |          | 15000    | 35×120             | 0.25 | 6.6                                     | EKM630LGB153MAC0N |
|          | 18000    | 35×60              | 0.35 | 4.8                                     | EKM250LGB183MA60N |          | 18000    | 50×80              | 0.25 | 7.4                                     | EKM630LGC183MC80N |
|          | 22000    | 35×60              | 0.35 | 5.3                                     | EKM250LGB223MA60N |          | 22000    | 50×100             | 0.25 | 9.0                                     | EKM630LGC223MCA0N |
|          | 27000    | 35×80              | 0.35 | 6.4                                     | EKM250LGB273MA80N |          | 27000    | 50×120             | 0.25 | 10.9                                    | EKM630LGC273MCC0N |
|          | 33000    | 35×80              | 0.40 | 6.7                                     | EKM250LGB333MA80N |          | 33000    | 50×120             | 0.25 | 12.0                                    | EKM630LGC333MCC0N |
|          | 39000    | 35×100             | 0.40 | 7.8                                     | EKM250LGB393MAA0N |          | 39000    | 63.5×100           | 0.30 | 12.5                                    | EKM630LGC393MDA0N |
|          | 47000    | 35×120             | 0.40 | 9.3                                     | EKM250LGB473MAC0N |          | 47000    | 63.5×120           | 0.30 | 14.9                                    | EKM630LGC473MDC0N |
|          | 56000    | 50×80              | 0.45 | 9.7                                     | EKM250LGC563MC80N |          | 56000    | 63.5×120           | 0.30 | 16.3                                    | EKM630LGC563MDC0N |
|          | 68000    | 50×100             | 0.45 | 11.2                                    | EKM250LGC683MCA0N |          | 68000    | 76×120             | 0.35 | 18.4                                    | EKM630LGC683MEC0N |
|          | 82000    | 50×100             | 0.50 | 11.2                                    | EKM250LGC823MCA0N |          | 82000    | 76×140             | 0.40 | 20.0                                    | EKM630LGC823MEE0N |
|          | 100000   | 50×120             | 0.50 | 14.8                                    | EKM250LGC104MCC0N |          | 100000   | 76×140             | 0.50 | 20.0                                    | EKM630LGC104MEE0N |
|          | 120000   | 63.5×100           | 0.65 | 14.9                                    | EKM250LGC124MDA0N |          | 120000   | 89×140             | 0.60 | 21.8                                    | EKM630LGC124MFE0N |
|          | 150000   | 63.5×120           | 0.65 | 17.9                                    | EKM250LGC154MDC0N | 80       | 2200     | 35×50              | 0.15 | 2.4                                     | EKM800LGB222MA50N |
|          | 180000   | 63.5×120           | 0.80 | 17.9                                    | EKM250LGC184MDC0N |          | 2700     | 35×50              | 0.15 | 2.7                                     | EKM800LGB272MA50N |
|          | 220000   | 76×120             | 0.85 | 21.3                                    | EKM250LGC224MEC0N |          | 3300     | 35×50              | 0.15 | 3.0                                     | EKM800LGB332MA50N |
|          | 270000   | 76×120             | 1.00 | 21.7                                    | EKM250LGC274MEC0N |          | 3900     | 35×60              | 0.15 | 3.4                                     | EKM800LGB392MA60N |
|          | 330000   | 76×140             | 1.20 | 23.4                                    | EKM250LGC334MEE0N |          | 4700     | 35×60              | 0.15 | 3.7                                     | EKM800LGB472MA60N |
|          | 390000   | 89×140             | 1.50 | 24.9                                    | EKM250LGC394MFE0N |          | 5600     | 35×80              | 0.15 | 4.5                                     | EKM800LGB562MA80N |
| 35       | 8200     | 35×50              | 0.30 | 3.3                                     | EKM350LGB822MA50N |          | 6800     | 35×80              | 0.15 | 4.9                                     | EKM800LGB682MA80N |
|          | 10000    | 35×50              | 0.30 | 3.6                                     | EKM350LGB103MA50N |          | 8200     | 35×100             | 0.20 | 5.1                                     | EKM800LGB822MAA0N |
|          | 12000    | 35×60              | 0.30 | 4.2                                     | EKM350LGB123MA60N |          | 10000    | 35×120             | 0.20 | 6.1                                     | EKM800LGB103MAC0N |
|          | 15000    | 35×60              | 0.30 | 4.7                                     | EKM350LGB153MA60N |          | 12000    | 50×80              | 0.20 | 6.7                                     | EKM800LGC123MC80N |
|          | 18000    | 35×80              | 0.30 | 5.7                                     | EKM350LGB183MA80N |          | 15000    | 50×100             | 0.20 | 8.3                                     | EKM800LGC153MCA0N |
|          | 22000    | 35×80              | 0.30 | 6.3                                     | EKM350LGB223MA80N |          | 18000    | 50×120             | 0.20 | 9.9                                     | EKM800LGC183MCC0N |
|          | 27000    | 35×100             | 0.30 | 7.5                                     | EKM350LGB273MAA0N |          | 22000    | 50×120             | 0.20 | 11.0                                    | EKM800LGC223MCC0N |
|          | 33000    | 35×120             | 0.30 | 9.0                                     | EKM350LGB333MCA0N |          | 27000    | 63.5×100           | 0.25 | 11.4                                    | EKM800LGC273MDA0N |
|          | 39000    | 50×80              | 0.35 | 9.2                                     | EKM350LGC393MC80N |          | 33000    | 76×100             | 0.25 | 13.9                                    | EKM800LGC333MEA0N |
|          | 47000    | 50×100             | 0.35 | 11.2                                    | EKM350LGC473MCA0N |          | 39000    | 76×100             | 0.30 | 13.9                                    | EKM800LGC393MEA0N |



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Standard screw terminals, 105°C

**KMH**Series

勝特力材料 886-3-5753170  
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 胜特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.          | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.          |
|----------|----------|--------------------|------|-----------------------------------------|-------------------|----------|----------|--------------------|------|-----------------------------------------|-------------------|
| 80       | 47000    | 76×120             | 0.30 | 16.5                                    | EKM800LGC473MEC0N | 250      | 330      | 35×50              | 0.15 | 0.9                                     | EKM251LGB331MA50N |
|          | 56000    | 76×120             | 0.30 | 18.1                                    | EKM800LGC563MEC0N |          | 390      | 35×50              | 0.15 | 1.0                                     | EKM251LGB391MA50N |
|          | 68000    | 76×140             | 0.35 | 19.7                                    | EKM800LGC683MEE0N |          | 470      | 35×50              | 0.15 | 1.1                                     | EKM251LGB471MA50N |
|          | 82000    | 89×140             | 0.40 | 22.1                                    | EKM800LGC823MFE0N |          | 560      | 35×50              | 0.15 | 1.2                                     | EKM251LGB561MA50N |
| 100      | 1800     | 35×50              | 0.10 | 2.7                                     | EKM101LGB182MA50N |          | 680      | 35×60              | 0.15 | 1.4                                     | EKM251LGB681MA60N |
|          | 2200     | 35×50              | 0.10 | 3.0                                     | EKM101LGB222MA50N |          | 820      | 35×80              | 0.15 | 1.6                                     | EKM251LGB821MA80N |
|          | 2700     | 35×60              | 0.10 | 3.5                                     | EKM101LGB272MA60N |          | 1000     | 35×80              | 0.20 | 1.6                                     | EKM251LGB102MA80N |
|          | 3300     | 35×80              | 0.10 | 4.2                                     | EKM101LGB332MA80N |          | 1200     | 35×80              | 0.20 | 1.8                                     | EKM251LGB122MA80N |
|          | 3900     | 35×80              | 0.12 | 4.2                                     | EKM101LGB392MA80N |          | 1500     | 35×100             | 0.20 | 2.1                                     | EKM251LGB152MAA0N |
|          | 4700     | 35×100             | 0.12 | 5.0                                     | EKM101LGB472MAA0N |          | 1800     | 35×120             | 0.20 | 2.5                                     | EKM251LGB182MAC0N |
|          | 5600     | 35×100             | 0.12 | 5.4                                     | EKM101LGB562MAA0N |          | 2200     | 50×80              | 0.20 | 2.9                                     | EKM251LGC222MC80N |
|          | 6800     | 35×120             | 0.15 | 5.8                                     | EKM101LGB682MAC0N |          | 2700     | 50×100             | 0.20 | 3.5                                     | EKM251LGC272MCA0N |
|          | 8200     | 50×80              | 0.15 | 6.4                                     | EKM101LGC822MC80N |          | 3300     | 50×120             | 0.20 | 4.2                                     | EKM251LGC332MCC0N |
|          | 10000    | 50×100             | 0.15 | 7.8                                     | EKM101LGC102MCA0N |          | 3900     | 50×120             | 0.20 | 4.6                                     | EKM251LGC392MCC0N |
|          | 12000    | 50×120             | 0.15 | 9.3                                     | EKM101LGC123MCC0N |          | 4700     | 63.5×120           | 0.20 | 5.7                                     | EKM251LGC472MDC0N |
|          | 15000    | 50×120             | 0.15 | 10.4                                    | EKM101LGC153MCC0N |          | 5600     | 63.5×120           | 0.20 | 6.3                                     | EKM251LGC562MDC0N |
|          | 18000    | 63.5×100           | 0.20 | 10.4                                    | EKM101LGC183MDA0N |          | 6800     | 76×120             | 0.20 | 7.7                                     | EKM251LGC682MEC0N |
|          | 22000    | 63.5×120           | 0.20 | 12.5                                    | EKM101LGC223MDC0N |          | 8200     | 76×120             | 0.20 | 8.4                                     | EKM251LGC822MEC0N |
|          | 27000    | 76×120             | 0.25 | 13.7                                    | EKM101LGC273MEC0N |          | 10000    | 76×140             | 0.20 | 10.0                                    | EKM251LGC103MEE0N |
|          | 33000    | 76×120             | 0.25 | 15.2                                    | EKM101LGC333MEC0N |          | 12000    | 89×140             | 0.20 | 11.9                                    | EKM251LGC123MFE0N |
| 160      | 39000    | 76×140             | 0.30 | 16.1                                    | EKM101LGC393MEE0N | 315      | 180      | 35×50              | 0.10 | 0.8                                     | EKM315LGB181MA50N |
|          | 47000    | 89×140             | 0.30 | 19.3                                    | EKM101LGC473MFE0N |          | 220      | 35×50              | 0.10 | 0.9                                     | EKM315LGB221MA50N |
|          | 56000    | 89×140             | 0.30 | 21.1                                    | EKM101LGC563MFE0N |          | 270      | 35×50              | 0.10 | 1.0                                     | EKM315LGB271MA50N |
|          | 560      | 35×50              | 0.15 | 1.2                                     | EKM161LGB561MA50N |          | 330      | 35×50              | 0.10 | 1.1                                     | EKM315LGB331MA50N |
|          | 680      | 35×50              | 0.15 | 1.3                                     | EKM161LGB681MA50N |          | 390      | 35×50              | 0.10 | 1.2                                     | EKM315LGB391MA50N |
|          | 820      | 35×50              | 0.15 | 1.4                                     | EKM161LGB821MA50N |          | 470      | 35×60              | 0.10 | 1.4                                     | EKM315LGB471MA60N |
|          | 1000     | 35×50              | 0.15 | 1.6                                     | EKM161LGB102MA50N |          | 560      | 35×60              | 0.10 | 1.5                                     | EKM315LGB561MA60N |
|          | 1200     | 35×60              | 0.15 | 1.9                                     | EKM161LGB122MA60N |          | 680      | 35×80              | 0.10 | 1.7                                     | EKM315LGB681MA80N |
|          | 1500     | 35×60              | 0.15 | 2.1                                     | EKM161LGB152MA60N |          | 820      | 35×80              | 0.15 | 1.7                                     | EKM315LGB821MA80N |
|          | 1800     | 35×80              | 0.15 | 2.5                                     | EKM161LGB182MA80N |          | 1000     | 35×100             | 0.15 | 2.0                                     | EKM315LGB102MAA0N |
|          | 2200     | 35×80              | 0.15 | 2.8                                     | EKM161LGB222MA80N |          | 1200     | 35×120             | 0.15 | 2.4                                     | EKM315LGB122MAC0N |
|          | 2700     | 35×100             | 0.15 | 3.3                                     | EKM161LGB272MAA0N |          | 1500     | 50×80              | 0.15 | 2.7                                     | EKM315LGC152MC80N |
|          | 3300     | 35×120             | 0.15 | 3.8                                     | EKM161LGB332MAC0N |          | 1800     | 50×100             | 0.15 | 3.3                                     | EKM315LGC182MCA0N |
|          | 3900     | 50×80              | 0.20 | 3.8                                     | EKM161LGC392MC80N |          | 2200     | 50×120             | 0.15 | 4.0                                     | EKM315LGC222MCC0N |
|          | 4700     | 50×100             | 0.20 | 4.6                                     | EKM161LGC472MCA0N |          | 2700     | 50×120             | 0.15 | 4.4                                     | EKM315LGC272MCC0N |
| 200      | 5600     | 50×100             | 0.20 | 5.1                                     | EKM161LGC562MCA0N |          | 3300     | 63.5×100           | 0.15 | 5.1                                     | EKM315LGC332MDA0N |
|          | 6800     | 50×120             | 0.20 | 6.1                                     | EKM161LGC682MCC0N | 350      | 3900     | 63.5×120           | 0.15 | 6.0                                     | EKM315LGC392MDC0N |
|          | 8200     | 63.5×100           | 0.20 | 7.0                                     | EKM161LGC822MDA0N |          | 4700     | 76×100             | 0.15 | 6.8                                     | EKM315LGC472MEA0N |
|          | 10000    | 63.5×120           | 0.20 | 8.4                                     | EKM161LGC103MDC0N |          | 5600     | 76×120             | 0.15 | 8.0                                     | EKM315LGC562MEC0N |
|          | 12000    | 76×100             | 0.20 | 9.4                                     | EKM161LGC123MEA0N |          | 6800     | 76×130             | 0.15 | 9.2                                     | EKM315LGC682MED0N |
|          | 15000    | 76×120             | 0.20 | 11.4                                    | EKM161LGC153MEC0N |          | 8200     | 89×140             | 0.15 | 11.4                                    | EKM315LGC822MFE0N |
|          | 18000    | 76×140             | 0.20 | 13.4                                    | EKM161LGC183MEE0N |          | 10000    | 89×140             | 0.15 | 12.6                                    | EKM315LGC103MFE0N |
|          | 22000    | 89×140             | 0.25 | 14.5                                    | EKM161LGC223MFE0N |          | 180      | 35×50              | 0.10 | 0.8                                     | EKM351LGB181MA50N |
|          | 27000    | 89×140             | 0.25 | 16.0                                    | EKM161LGC273MFE0N |          | 220      | 35×50              | 0.10 | 0.9                                     | EKM351LGB221MA50N |
|          | 330      | 35×50              | 0.15 | 0.9                                     | EKM201LGB331MA50N |          | 270      | 35×50              | 0.10 | 1.0                                     | EKM351LGB271MA50N |
|          | 390      | 35×50              | 0.15 | 1.0                                     | EKM201LGB391MA50N |          | 330      | 35×50              | 0.10 | 1.1                                     | EKM351LGB331MA50N |
|          | 470      | 35×50              | 0.15 | 1.1                                     | EKM201LGB471MA50N |          | 390      | 35×60              | 0.10 | 1.3                                     | EKM351LGB391MA60N |
|          | 560      | 35×50              | 0.15 | 1.2                                     | EKM201LGB561MA50N |          | 470      | 35×60              | 0.10 | 1.4                                     | EKM351LGB471MA60N |
|          | 680      | 35×50              | 0.15 | 1.3                                     | EKM201LGB681MA50N |          | 560      | 35×80              | 0.10 | 1.6                                     | EKM351LGB561MA80N |
|          | 820      | 35×50              | 0.15 | 1.4                                     | EKM201LGB821MA50N |          | 680      | 35×80              | 0.15 | 1.6                                     | EKM351LGB681MA80N |
|          | 1000     | 35×60              | 0.15 | 1.7                                     | EKM201LGB102MA60N |          | 820      | 35×100             | 0.15 | 1.8                                     | EKM351LGB821MAA0N |
|          | 1200     | 35×60              | 0.15 | 1.9                                     | EKM201LGB122MA60N |          | 1000     | 35×120             | 0.15 | 2.2                                     | EKM351LGB102MAC0N |
| 250      | 1500     | 35×80              | 0.15 | 2.3                                     | EKM201LGB152MA80N | 400      | 1200     | 50×80              | 0.15 | 2.4                                     | EKM351LGC122MC80N |
|          | 1800     | 35×80              | 0.15 | 2.5                                     | EKM201LGB182MA80N |          | 1500     | 50×100             | 0.15 | 3.0                                     | EKM351LGC152MCA0N |
|          | 2200     | 35×100             | 0.15 | 3.0                                     | EKM201LGB222MAA0N |          | 1800     | 50×120             | 0.15 | 3.6                                     | EKM351LGC182MCC0N |
|          | 2700     | 35×120             | 0.15 | 3.6                                     | EKM201LGB272MAC0N |          | 2200     | 50×120             | 0.15 | 4.0                                     | EKM351LGC222MCC0N |
|          | 3300     | 50×80              | 0.15 | 4.1                                     | EKM201LGC332MC80N |          | 2700     | 63.5×100           | 0.15 | 4.6                                     | EKM351LGC272MDA0N |
|          | 3900     | 50×100             | 0.15 | 4.9                                     | EKM201LGC392MCA0N |          | 3900     | 76×120             | 0.15 | 6.7                                     | EKM351LGC392MEC0N |
|          | 4700     | 63.5×100           | 0.20 | 5.3                                     | EKM201LGC472MDA0N |          | 5600     | 76×130             | 0.15 | 8.3                                     | EKM351LGC562MED0N |
|          | 5600     | 63.5×100           | 0.20 | 5.8                                     | EKM201LGC562MDA0N |          | 6800     | 76×140             | 0.15 | 9.5                                     | EKM351LGC682MEE0N |
|          | 6800     | 63.5×120           | 0.20 | 6.9                                     | EKM201LGC682MDC0N |          | 8200     | 89×140             | 0.15 | 11.4                                    | EKM351LGC822MFE0N |
|          | 8200     | 63.5×120           | 0.20 | 7.6                                     | EKM201LGC822MDC0N |          | 180      | 35×50              | 0.10 | 0.8                                     | EKM401LGB181MA50N |
|          | 10000    | 76×120             | 0.20 | 9.3                                     | EKM201LGC103MEC0N |          | 220      | 35×50              | 0.10 | 0.9                                     | EKM401LGB221MA50N |
|          | 12000    | 76×120             | 0.20 | 10.2                                    | EKM201LGC123MEC0N |          | 270      | 35×50              | 0.10 | 1.0                                     | EKM401LGB271MA50N |
|          | 15000    | 76×140             | 0.20 | 12.2                                    | EKM201LGC153MEE0N |          | 330      | 35×60              | 0.10 | 1.2                                     | EKM401LGB331MA60N |
|          | 18000    | 89×140             | 0.25 | 13.1                                    | EKM201LGC183MFE0N |          | 390      | 35×60              | 0.10 | 1.3                                     | EKM401LGB391MA60N |
|          | 270      | 35×50              | 0.15 | 0.8                                     | EKM251LGB271MA50N |          | 470      | 35×80              | 0.10 | 1.4                                     | EKM401LGB471MA80N |


**KMH**Series

**◆STANDARD RATINGS**

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 105°C, 120Hz) | Part No.          |
|----------|----------|--------------------|------|-------------------------------------------|-------------------|
| 400      | 560      | 35×80              | 0.15 | 1.4                                       | EKM401LGB561MA80N |
|          | 680      | 35×100             | 0.15 | 1.7                                       | EKM401LGB681MAA0N |
|          | 820      | 35×120             | 0.15 | 2.0                                       | EKM401LGB821MAC0N |
|          | 1000     | 50×80              | 0.15 | 2.2                                       | EKM401LGC102MC80N |
|          | 1200     | 50×100             | 0.15 | 2.7                                       | EKM401LGC122MCA0N |
|          | 1500     | 50×120             | 0.15 | 3.3                                       | EKM401LGC152MCC0N |

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 105°C, 120Hz) | Part No.          |
|----------|----------|--------------------|------|-------------------------------------------|-------------------|
| 400      | 2200     | 63.5×100           | 0.15 | 4.2                                       | EKM401LGC222MDA0N |
|          | 3300     | 63.5×120           | 0.15 | 5.5                                       | EKM401LGC332MDC0N |
|          | 4700     | 76×130             | 0.15 | 7.6                                       | EKM401LGC472MED0N |
|          | 5600     | 89×140             | 0.15 | 9.4                                       | EKM401LGC562MFE0N |
|          | 6800     | 89×140             | 0.15 | 10.4                                      | EKM401LGC682MFE0N |

**◆RATED RIPPLE CURRENT MULTIPLIERS**
**●Frequency Multipliers**

| Rated voltage (Vdc) | Case diameter (mm) | Frequency (Hz) |      |      |      |      |      |
|---------------------|--------------------|----------------|------|------|------|------|------|
|                     |                    | 50             | 120  | 300  | 1k   | 10k  | 50k  |
| 10 to 50            | φ35 to φ89         | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
|                     | φ35                | 0.90           | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 |
| 63 & 80             | φ50 to φ89         | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
|                     | φ35                | 0.82           | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 |
| 100                 | φ50                | 0.90           | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 |
|                     | φ63.5 to φ89       | 0.95           | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
| 160 to 250          | φ35                | 0.80           | 1.00 | 1.19 | 1.34 | 1.46 | 1.52 |
|                     | φ50 & φ63.5        | 0.81           | 1.00 | 1.14 | 1.26 | 1.36 | 1.41 |
| 315 to 400          | φ76 & φ89          | 0.82           | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 |
|                     | φ35 to φ89         | 0.80           | 1.00 | 1.19 | 1.34 | 1.46 | 1.52 |

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[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## FTP Series

- Ideal for inverter smoothing capacitors such as Electric Vehicle, Hybrid Car, etc.
- Endurance with ripple current : 85°C 5000 hours
- Rated voltage range : 63 to 450V<sub>dc</sub>
- Lower profile offers drastic space saving comparing to conventional cylindrical type
- Superior heat radiation realizes higher ripple current



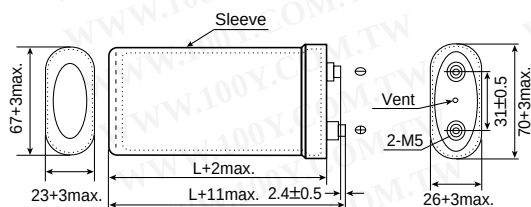
### ◆SPECIFICATIONS

| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -40 to +85°C (63~100V <sub>dc</sub> ), -25 to +85°C (350~450V <sub>dc</sub> )                                                                                                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 63 to 450V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | 0.25 max. (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change 63 to 100V <sub>dc</sub> : C(-40°C)/C(+20°C)≥0.6<br>350 to 450V <sub>dc</sub> : C(-25°C)/C(+20°C)≥0.7 (at 120Hz)                                                                                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours at 85°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 85°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                            | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |

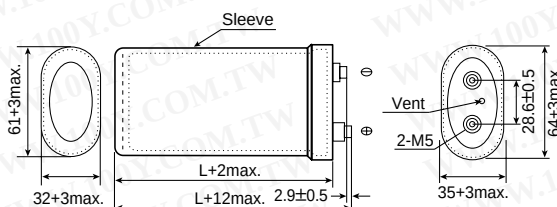
### ◆DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG

● Size Code : L



● Size Code : R

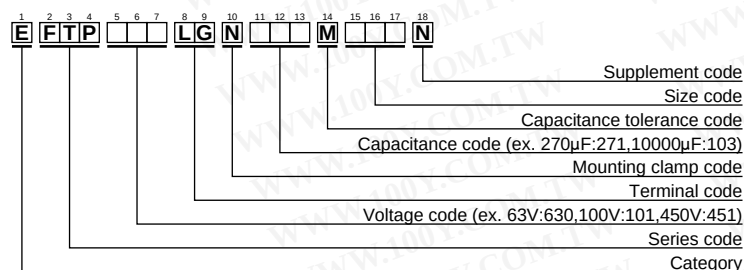


<Screw specifications>

Plus hexagon-headed screw: M5X0.8

Maximum screw tightening torque: 3.23Nm

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

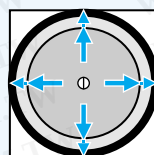

**FTP** Series

**◆STANDARD RATINGS**

| WV (Vdc) | Cap (μF) | Case size H×W×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,10kHz) | Part No.           | WV (Vdc) | Cap (μF) | Case size H×W×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,10kHz) | Part No.           |
|----------|----------|---------------------|------|-----------------------------------------|--------------------|----------|----------|---------------------|------|-----------------------------------------|--------------------|
| 63       | 6000     | 26×70×50            | 0.25 | 14.0                                    | EFTP630LGN602ML50N | 350      | 400      | 26×70×50            | 0.25 | 10.6                                    | EFTP351LGN401ML50N |
|          | 12000    | 26×70×75            | 0.25 | 19.0                                    | EFTP630LGN123ML75N |          | 800      | 26×70×75            | 0.25 | 15.7                                    | EFTP351LGN801ML75N |
|          | 17000    | 26×70×95            | 0.25 | 22.0                                    | EFTP630LGN173ML95N |          | 1100     | 26×70×95            | 0.25 | 18.7                                    | EFTP351LGN112ML95N |
|          | 7400     | 35×64×50            | 0.25 | 16.1                                    | EFTP630LGN742MR50N |          | 490      | 35×64×50            | 0.25 | 11.9                                    | EFTP351LGN491MR50N |
|          | 15000    | 35×64×75            | 0.25 | 21.7                                    | EFTP630LGN153MR75N |          | 970      | 35×64×75            | 0.25 | 17.6                                    | EFTP351LGN971MR75N |
|          | 21000    | 35×64×95            | 0.25 | 25.3                                    | EFTP630LGN213MR95N |          | 1400     | 35×64×95            | 0.25 | 21.0                                    | EFTP351LGN142MR95N |
| 80       | 4300     | 26×70×50            | 0.25 | 14.0                                    | EFTP800LGN432ML50N | 400      | 330      | 26×70×50            | 0.25 | 10.6                                    | EFTP401LGN331ML50N |
|          | 8600     | 26×70×75            | 0.25 | 19.0                                    | EFTP800LGN862ML75N |          | 660      | 26×70×75            | 0.25 | 15.7                                    | EFTP401LGN661ML75N |
|          | 12000    | 26×70×95            | 0.25 | 22.0                                    | EFTP800LGN123ML95N |          | 930      | 26×70×95            | 0.25 | 18.7                                    | EFTP401LGN931ML95N |
|          | 5300     | 35×64×50            | 0.25 | 16.1                                    | EFTP800LGN532MR50N |          | 400      | 35×64×50            | 0.25 | 11.9                                    | EFTP401LGN401MR50N |
|          | 10000    | 35×64×75            | 0.25 | 21.7                                    | EFTP800LGN103MR75N |          | 800      | 35×64×75            | 0.25 | 17.6                                    | EFTP401LGN801MR75N |
|          | 15000    | 35×64×95            | 0.25 | 25.3                                    | EFTP800LGN153MR95N |          | 1100     | 35×64×95            | 0.25 | 21.0                                    | EFTP401LGN112MR95N |
| 100      | 2900     | 26×70×50            | 0.25 | 14.0                                    | EFTP101LGN292ML50N | 450      | 270      | 26×70×50            | 0.25 | 10.1                                    | EFTP451LGN271ML50N |
|          | 5700     | 26×70×75            | 0.25 | 19.0                                    | EFTP101LGN572ML75N |          | 540      | 26×70×75            | 0.25 | 15.0                                    | EFTP451LGN541ML75N |
|          | 8100     | 26×70×95            | 0.25 | 22.0                                    | EFTP101LGN812ML95N |          | 760      | 26×70×95            | 0.25 | 18.0                                    | EFTP451LGN761ML95N |
|          | 3600     | 35×64×50            | 0.25 | 16.1                                    | EFTP101LGN362MR50N |          | 330      | 35×64×50            | 0.25 | 11.4                                    | EFTP451LGN331MR50N |
|          | 7100     | 35×64×75            | 0.25 | 21.7                                    | EFTP101LGN712MR75N |          | 660      | 35×64×75            | 0.25 | 16.7                                    | EFTP451LGN661MR75N |
|          | 10000    | 35×64×95            | 0.25 | 25.3                                    | EFTP101LGN103MR95N |          | 930      | 35×64×95            | 0.25 | 20.1                                    | EFTP451LGN931MR95N |

**◆Improvement of space factor and heat radiation**

Dead spaces are found for the conventional cylindrical shape. But lower profile offers small dead spaces, and makes the equipments smaller in size. Moreover, the internal element of the lower profile capacitor is widely touched to the can. This largely improves the heat radiation compared to the cylindrical shape.



Cylindrical shape



FTP series

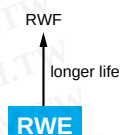
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

# RWE Series

- Rated voltage range : 350 to 550V<sub>dc</sub>
- Endurance with ripple current : 85°C 2000 hours



## ◆SPECIFICATIONS

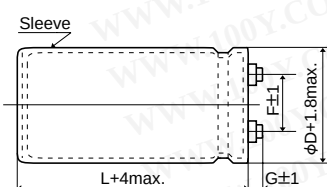
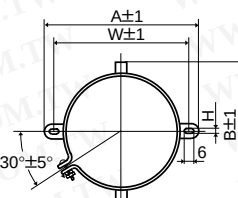
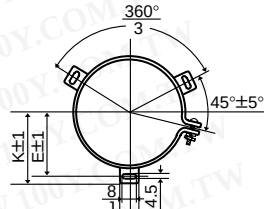
| Items                           | Characteristics                                                                                                                                                                                                                                  |                                      |             |            |            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------|------------|------------|
| Category                        | Temperature Range                                                                                                                                                                                                                                |                                      |             |            |            |
| Temperature Range               | -25 to +85℃                                                                                                                                                                                                                                      |                                      |             |            |            |
| Rated Voltage Range             | 350 to 550V <sub>dc</sub>                                                                                                                                                                                                                        |                                      |             |            |            |
| Capacitance Tolerance           | ±20% (M) (at 20℃, 120Hz)                                                                                                                                                                                                                         |                                      |             |            |            |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 5 minutes)                                                                                     |                                      |             |            |            |
| Dissipation Factor (tanδ)       | 0.25 max. (at 20℃, 120Hz)                                                                                                                                                                                                                        |                                      |             |            |            |
| Low Temperature Characteristics | Capacitance change                                                                                                                                                                                                                               | Rated Voltage (V <sub>dc</sub> )     | 350 to 450V | 500 & 550V | (at 120Hz) |
|                                 |                                                                                                                                                                                                                                                  | C(-25℃)/C(+20℃)                      | ≥0.7        | ≥0.6       |            |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ. |                                      |             |            |            |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                              |                                      |             |            |            |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 85℃.                                                            |                                      |             |            |            |
|                                 | Capacitance change                                                                                                                                                                                                                               | ≤±20% of the initial value           |             |            |            |
|                                 | D.F. (tanδ)                                                                                                                                                                                                                                      | ≤300% of the initial specified value |             |            |            |
|                                 | Leakage current                                                                                                                                                                                                                                  | ≤The initial specified value         |             |            |            |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 500 hours at 85℃ without voltage applied.                                                                                        |                                      |             |            |            |
|                                 | Capacitance change                                                                                                                                                                                                                               | ≤±20% of the initial value           |             |            |            |
|                                 | D.F. (tanδ)                                                                                                                                                                                                                                      | ≤300% of the initial specified value |             |            |            |
|                                 | Leakage current                                                                                                                                                                                                                                  | ≤The initial specified value         |             |            |            |

## ◆DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG

● Mounting Clamp Code : B

● Mounting Clamp Code : C



| φD   | A     | B  | W    | H   | F    |
|------|-------|----|------|-----|------|
| 35   | 58    | 44 | 48   | 3.5 | 12.7 |
| 50   | 78    | 64 | 68   | 4.5 | 22.4 |
| 63.5 | 90    | 76 | 80   | 4.5 | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 4.5 | 31.5 |

| φD   | E    | K    | F    | J    |
|------|------|------|------|------|
| 50   | 32.5 | 37.0 | 22.4 | 14.0 |
| 63.5 | 38.1 | 43.5 | 28.0 | 14.0 |
| 76   | 44.5 | 50.0 | 31.5 | 14.0 |
| 89   | 50.8 | 56.5 | 31.5 | 16.0 |

&lt;Screw specifications&gt;

Plus hexagon-headed screw:

M5X0.8X10

Maximum screw tightening torque:

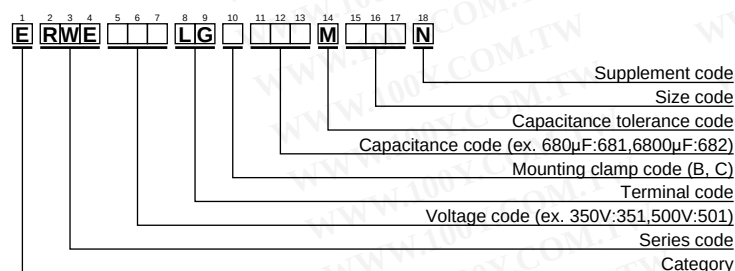
3.23Nm

φ35 to φ63.5 : G=6

φ76 &amp; φ89 : G=5

\* The screw and the mounting clamp are separately supplied and not attached to the product.

## ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## RWE Series

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C,120Hz) | Part No.           |
|----------|----------|--------------------|------|-----------------------------------------|--------------------|----------|----------|--------------------|------|-----------------------------------------|--------------------|
| 350      | 390      | 35×50              | 0.25 | 1.9                                     | ERWE351LGB391MA50N | 450      | 2700     | 63.5×115           | 0.25 | 8.6                                     | ERWE451LGC272MDB5N |
|          | 680      | 35×80              | 0.25 | 2.9                                     | ERWE351LGB681MA80N |          | 3300     | 63.5×130           | 0.25 | 10.0                                    | ERWE451LGC332MDD0N |
|          | 1000     | 35×100             | 0.25 | 3.8                                     | ERWE351LGB102MAA0N |          | 3300     | 76×96              | 0.25 | 9.8                                     | ERWE451LGC332ME96N |
|          | 1200     | 35×120             | 0.25 | 4.2                                     | ERWE351LGB122MAC0N |          | 3900     | 76×115             | 0.25 | 11.5                                    | ERWE451LGC392MEB5N |
|          | 1500     | 50×75              | 0.25 | 4.7                                     | ERWE351LGC152MC75N |          | 4700     | 76×130             | 0.25 | 13.3                                    | ERWE451LGC472MED0N |
|          | 2200     | 50×96              | 0.25 | 6.3                                     | ERWE351LGC222MC96N |          | 5600     | 76×155             | 0.25 | 15.7                                    | ERWE451LGC562MEF5N |
|          | 3300     | 50×130             | 0.25 | 8.8                                     | ERWE351LGC332MCD0N |          | 8200     | 89×155             | 0.25 | 18.6                                    | ERWE451LGC822MFF5N |
|          | 3300     | 63.5×96            | 0.25 | 8.8                                     | ERWE351LGC332MD96N | 500      | 120      | 35×50              | 0.25 | 0.7                                     | ERWE501LGB121MA50N |
|          | 3900     | 63.5×115           | 0.25 | 10.3                                    | ERWE351LGC392MDB5N |          | 270      | 35×80              | 0.25 | 1.2                                     | ERWE501LGB271MA80N |
|          | 4700     | 63.5×130           | 0.25 | 12.0                                    | ERWE351LGC472MDD0N |          | 330      | 35×100             | 0.25 | 1.4                                     | ERWE501LGB331MAA0N |
|          | 4700     | 76×96              | 0.25 | 11.7                                    | ERWE351LGC472ME96N |          | 390      | 35×120             | 0.25 | 1.7                                     | ERWE501LGB391MAC0N |
| 400      | 5600     | 76×115             | 0.25 | 12.6                                    | ERWE351LGC562MEB5N |          | 470      | 50×75              | 0.25 | 1.8                                     | ERWE501LGC471MC75N |
|          | 6800     | 76×130             | 0.25 | 15.9                                    | ERWE351LGC682MED0N |          | 680      | 50×96              | 0.25 | 2.5                                     | ERWE501LGC681MC96N |
|          | 8200     | 76×155             | 0.25 | 19.0                                    | ERWE351LGC822MEF5N |          | 820      | 50×115             | 0.25 | 2.9                                     | ERWE501LGC821MCB5N |
|          | 12000    | 89×155             | 0.25 | 22.5                                    | ERWE351LGC123MFF5N |          | 1000     | 50×130             | 0.25 | 3.4                                     | ERWE501LGC102MCD0N |
|          | 330      | 35×50              | 0.25 | 1.7                                     | ERWE401LGB331MA50N |          | 1000     | 63.5×96            | 0.25 | 3.4                                     | ERWE501LGC102MD96N |
|          | 560      | 35×80              | 0.25 | 2.7                                     | ERWE401LGB561MA80N |          | 1500     | 63.5×115           | 0.25 | 4.5                                     | ERWE501LGC152MDB5N |
|          | 820      | 35×100             | 0.25 | 3.4                                     | ERWE401LGB821MAA0N |          | 1500     | 76×96              | 0.25 | 4.6                                     | ERWE501LGC152ME96N |
|          | 1000     | 35×120             | 0.25 | 3.9                                     | ERWE401LGB102MAC0N |          | 1800     | 63.5×130           | 0.25 | 5.2                                     | ERWE501LGC182MDD0N |
|          | 1200     | 50×75              | 0.25 | 4.2                                     | ERWE401LGC122MC75N |          | 2200     | 76×115             | 0.25 | 6.1                                     | ERWE501LGC222MEB5N |
|          | 1800     | 50×96              | 0.25 | 5.7                                     | ERWE401LGC182MC96N |          | 2700     | 76×155             | 0.25 | 7.7                                     | ERWE501LGC272MEF5N |
|          | 2200     | 50×130             | 0.25 | 7.2                                     | ERWE401LGC222MCD0N |          | 3900     | 89×155             | 0.25 | 10.1                                    | ERWE501LGC392MFF5N |
|          | 2700     | 63.5×96            | 0.25 | 7.9                                     | ERWE401LGC272MD96N | 550      | 100      | 35×50              | 0.25 | 0.6                                     | ERWE551LGB101MA50N |
| 450      | 3300     | 63.5×115           | 0.25 | 9.5                                     | ERWE401LGC332MDB5N |          | 180      | 35×80              | 0.25 | 1.0                                     | ERWE551LGB181MA80N |
|          | 3900     | 63.5×130           | 0.25 | 10.9                                    | ERWE401LGC392MDD0N |          | 270      | 35×100             | 0.25 | 1.3                                     | ERWE551LGB271MAA0N |
|          | 3900     | 76×96              | 0.25 | 10.6                                    | ERWE401LGC392ME96N |          | 330      | 35×120             | 0.25 | 1.6                                     | ERWE551LGB331MAC0N |
|          | 4700     | 76×115             | 0.25 | 12.6                                    | ERWE401LGC472MEB5N |          | 390      | 50×75              | 0.25 | 1.7                                     | ERWE551LGC391MC75N |
|          | 5600     | 76×130             | 0.25 | 14.5                                    | ERWE401LGC562MED0N |          | 560      | 50×96              | 0.25 | 2.1                                     | ERWE551LGC561MC96N |
|          | 6800     | 76×155             | 0.25 | 17.3                                    | ERWE401LGC682MEF5N |          | 560      | 63.5×96            | 0.25 | 2.5                                     | ERWE551LGC561MD96N |
|          | 10000    | 89×155             | 0.25 | 20.5                                    | ERWE401LGC103MFF5N |          | 680      | 50×115             | 0.25 | 2.7                                     | ERWE551LGC681MCB5N |
|          | 270      | 35×50              | 0.25 | 1.6                                     | ERWE451LGB271MA50N |          | 680      | 63.5×115           | 0.25 | 3.0                                     | ERWE551LGC681MDB5N |
|          | 470      | 35×80              | 0.25 | 2.4                                     | ERWE451LGB471MA80N |          | 820      | 50×130             | 0.25 | 3.1                                     | ERWE551LGC821MCD0N |
|          | 680      | 35×100             | 0.25 | 3.1                                     | ERWE451LGB681MAA0N |          | 820      | 63.5×130           | 0.25 | 3.5                                     | ERWE551LGC821MDD0N |
|          | 820      | 35×120             | 0.25 | 3.5                                     | ERWE451LGB821MAC0N |          | 1200     | 76×96              | 0.25 | 4.2                                     | ERWE551LGC122ME96N |
|          | 1000     | 50×75              | 0.25 | 3.9                                     | ERWE451LGC102MC75N |          | 1500     | 76×115             | 0.25 | 5.0                                     | ERWE551LGC152MEB5N |
|          | 1200     | 50×96              | 0.25 | 4.7                                     | ERWE451LGC122MC96N |          | 1800     | 76×130             | 0.25 | 5.8                                     | ERWE551LGC182MED0N |
|          | 1500     | 50×115             | 0.25 | 5.6                                     | ERWE451LGC152MCB5N |          | 2200     | 76×155             | 0.25 | 7.0                                     | ERWE551LGC222MEF5N |
|          | 1800     | 50×130             | 0.25 | 6.5                                     | ERWE451LGC182MCD0N |          | 3300     | 89×155             | 0.25 | 9.3                                     | ERWE551LGC332MFF5N |
|          | 2200     | 63.5×96            | 0.25 | 7.2                                     | ERWE451LGC222MD96N |          |          |                    |      |                                         |                    |

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Frequency (Hz) | 50  | 120 | 300 | 1k  | 3k  |
|----------------|-----|-----|-----|-----|-----|
| Coefficient    | 0.8 | 1.0 | 1.1 | 1.3 | 1.4 |

Note : The endurance of capacitors is shortened with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in heating use, the rms ripple current has to be reduced. Also, for the RWE series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.

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[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## RWY Series

- High ripple capability
- Endurance with ripple current : 85°C 5000 hours
- Cost-down design for three-phase input inverters

RWY

low price version  
RWF



### ◆SPECIFICATIONS

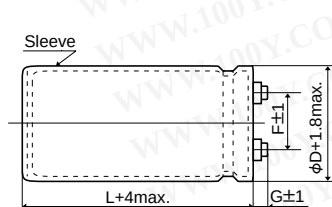
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -25 to +85°C                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 350 to 450V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | 0.12 max. (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When it is measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours at 85°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 85°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                            | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |

### ◆DIMENSIONS (Screw-Mount) [mm]

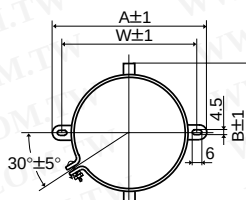
● Terminal Code : LG

● Mounting Clamp Code : B

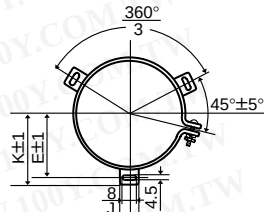
● Mounting Clamp Code : C



φ50 to φ76 : G=6  
φ89 : G=4  
φ100 : G=10



| φD   | A     | B  | W    | F    |
|------|-------|----|------|------|
| 50   | 78    | 64 | 68   | 22.4 |
| 63.5 | 90    | 76 | 80   | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 31.5 |



| φD   | E    | K    | F    | J    |
|------|------|------|------|------|
| 63.5 | 38.1 | 43.5 | 28.0 | 14.0 |
| 76   | 44.5 | 50.0 | 31.5 | 14.0 |
| 89   | 50.8 | 56.5 | 31.5 | 16.0 |
| 100  | 56.5 | 63.4 | 41.5 | 18.0 |

&lt;Screw specifications&gt;

φ50 to φ89

Plus hexagon-headed screw :

M5×0.8×10

Maximum screw tightening torque :

3.23Nm

φ100

Cross-recessed head (Phillips)

screw : M8×1.25×16

Spring washer

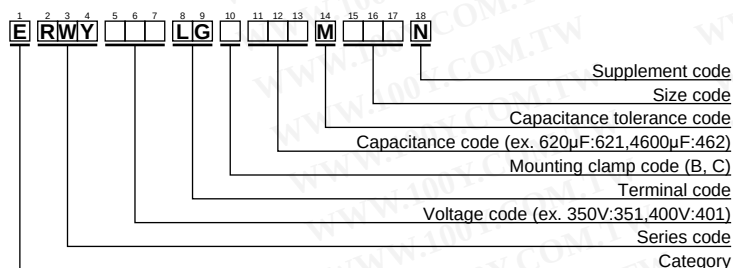
Washer

Maximum screw tightening torque :

6.31Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## RWY Series

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 300Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 300Hz) | Part No.           |
|----------|----------|--------------------|------|------------------------------------------|--------------------|----------|----------|--------------------|------|------------------------------------------|--------------------|
| 350      | 750      | 50×75              | 0.12 | 5.1                                      | ERWY351LGC751MC75N | 400      | 3200     | 63.5×170           | 0.12 | 17.3                                     | ERWY401LGC322MDH0N |
|          | 1100     | 50×96              | 0.12 | 6.9                                      | ERWY351LGC112MC96N |          | 3400     | 76×130             | 0.12 | 17.5                                     | ERWY401LGC342MED0N |
|          | 1300     | 50×105             | 0.12 | 7.8                                      | ERWY351LGC132MCA5N |          | 4200     | 76×155             | 0.12 | 21.1                                     | ERWY401LGC422MEF5N |
|          | 1600     | 50×130             | 0.12 | 9.5                                      | ERWY351LGC162MCD0N |          | 4600     | 76×170             | 0.12 | 23.0                                     | ERWY401LGC462MEH0N |
|          | 1800     | 63.5×96            | 0.12 | 10.0                                     | ERWY351LGC182MD96N |          | 5700     | 89×155             | 0.12 | 24.7                                     | ERWY401LGC572MFF5N |
|          | 1900     | 50×145             | 0.12 | 10.7                                     | ERWY351LGC192MCE5N |          | 6400     | 89×170             | 0.12 | 27.0                                     | ERWY401LGC642MFH0N |
|          | 2400     | 63.5×115           | 0.12 | 12.6                                     | ERWY351LGC242MDB5N |          | 7000     | 89×190             | 0.12 | 30.0                                     | ERWY401LGC702MFK0N |
|          | 2800     | 63.5×130           | 0.12 | 14.3                                     | ERWY351LGC282MDD0N |          | 7900     | 100×190            | 0.12 | 34.0                                     | ERWY401LGC792MGK0N |
|          | 3400     | 63.5×155           | 0.12 | 17.1                                     | ERWY351LGC342MDF5N |          | 9400     | 100×220            | 0.12 | 39.6                                     | ERWY401LGC942MGN0N |
|          | 3500     | 76×115             | 0.12 | 16.9                                     | ERWY351LGC352MEB5N |          | 12000    | 100×270            | 0.12 | 49.2                                     | ERWY401LGC123MGT0N |
|          | 3800     | 63.5×170           | 0.12 | 18.8                                     | ERWY351LGC382MDH0N | 450      | 500      | 50×75              | 0.12 | 4.0                                      | ERWY451LGC501MC75N |
|          | 4000     | 76×130             | 0.12 | 19.0                                     | ERWY351LGC402MED0N |          | 710      | 50×96              | 0.12 | 5.2                                      | ERWY451LGC711MC96N |
|          | 5000     | 76×155             | 0.12 | 23.0                                     | ERWY351LGC502MEF5N |          | 840      | 50×105             | 0.12 | 5.9                                      | ERWY451LGC841MCA5N |
|          | 5600     | 76×170             | 0.12 | 25.3                                     | ERWY351LGC562MEH0N |          | 1100     | 50×130             | 0.12 | 7.5                                      | ERWY451LGC112MCD0N |
|          | 6900     | 89×155             | 0.12 | 27.2                                     | ERWY351LGC692MFF5N |          | 1200     | 63.5×96            | 0.12 | 7.8                                      | ERWY451LGC122MD96N |
|          | 7700     | 89×170             | 0.12 | 29.6                                     | ERWY351LGC772MFH0N |          | 1300     | 50×145             | 0.12 | 8.4                                      | ERWY451LGC132MCE5N |
|          | 8400     | 89×190             | 0.12 | 32.9                                     | ERWY351LGC842MFK0N |          | 1600     | 63.5×115           | 0.12 | 9.8                                      | ERWY451LGC162MDB5N |
|          | 9500     | 100×190            | 0.12 | 37.3                                     | ERWY351LGC952MGK0N |          | 1800     | 63.5×130           | 0.12 | 10.9                                     | ERWY451LGC182MDD0N |
|          | 11000    | 100×220            | 0.12 | 42.9                                     | ERWY351LGC113MGN0N |          | 2300     | 63.5×155           | 0.12 | 13.3                                     | ERWY451LGC232MDF5N |
|          | 14000    | 100×270            | 0.12 | 53.1                                     | ERWY351LGC143MGT0N |          | 2300     | 76×115             | 0.12 | 13.0                                     | ERWY451LGC232MEB5N |
| 400      | 620      | 50×75              | 0.12 | 4.6                                      | ERWY401LGC621MC75N |          | 2500     | 63.5×170           | 0.12 | 14.5                                     | ERWY451LGC252MDH0N |
|          | 880      | 50×96              | 0.12 | 6.1                                      | ERWY401LGC881MC96N |          | 2700     | 76×130             | 0.12 | 14.8                                     | ERWY451LGC272MED0N |
|          | 1000     | 50×105             | 0.12 | 6.8                                      | ERWY401LGC102MCA5N |          | 3300     | 76×155             | 0.12 | 17.7                                     | ERWY451LGC332MEF5N |
|          | 1400     | 50×130             | 0.12 | 8.9                                      | ERWY401LGC142MCD0N |          | 3700     | 76×170             | 0.12 | 19.5                                     | ERWY451LGC372MEH0N |
|          | 1500     | 63.5×96            | 0.12 | 9.1                                      | ERWY401LGC152MD96N |          | 4600     | 89×155             | 0.12 | 22.2                                     | ERWY451LGC462MFF5N |
|          | 1600     | 50×145             | 0.12 | 9.9                                      | ERWY401LGC162MCE5N |          | 5100     | 89×170             | 0.12 | 24.1                                     | ERWY451LGC512MFH0N |
|          | 2000     | 63.5×115           | 0.12 | 11.5                                     | ERWY401LGC202MDB5N |          | 5700     | 89×190             | 0.12 | 27.1                                     | ERWY451LGC572MFK0N |
|          | 2300     | 63.5×130           | 0.12 | 13.0                                     | ERWY401LGC232MDD0N |          | 6400     | 100×190            | 0.12 | 30.6                                     | ERWY451LGC642MGK0N |
|          | 2800     | 63.5×155           | 0.12 | 15.5                                     | ERWY401LGC282MDF5N |          | 7600     | 100×220            | 0.12 | 35.6                                     | ERWY451LGC762MGN0N |
|          | 2900     | 76×115             | 0.12 | 15.4                                     | ERWY401LGC292MEB5N |          | 9500     | 100×270            | 0.12 | 43.7                                     | ERWY451LGC952MGT0N |

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Frequency (Hz) | 120  | 300 | 1k   | 3k   |
|----------------|------|-----|------|------|
| Coefficient    | 0.83 | 1.0 | 1.25 | 1.33 |

Note : The endurance of capacitors is shortened with internal heating produced by ripple currents at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for RWY series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.

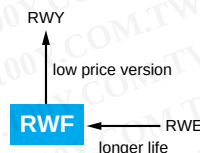
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 胜特力电子(上海) 86-21-54151736  
 胜特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## RWF Series

- High ripple capability
- Endurance with ripple current : 85°C 5000 hours
- Wide variety case sizes from  $\phi 50$  to  $\phi 100$



### ◆ SPECIFICATIONS

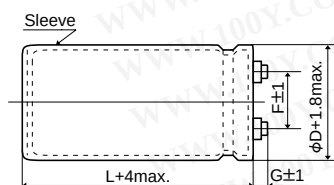
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -25 to +85°C                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 350 to 450V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | 0.25 max. (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)                                                                                                                                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.                                                                                                                                                                                                 |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours at 85°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                             | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |

### ◆ DIMENSIONS (Screw-Mount) [mm]

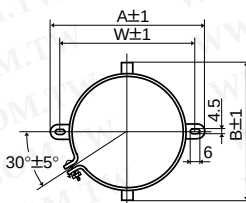
● Terminal Code : LG

● Mounting Clamp Code : B

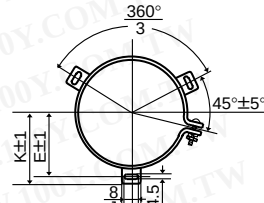
● Mounting Clamp Code : C



$\phi 50$  &  $\phi 63.5$  : G=6  
 $\phi 76$  &  $\phi 89$  : G=5  
 $\phi 100$  : G=10



| $\phi D$ | A     | B  | W    | F    |
|----------|-------|----|------|------|
| 50       | 78    | 64 | 68   | 22.4 |
| 63.5     | 90    | 76 | 80   | 28.0 |
| 76       | 104.5 | 90 | 93.5 | 31.5 |



| $\phi D$ | E    | K    | F    | J    |
|----------|------|------|------|------|
| 50       | 32.5 | 37.0 | 22.4 | 14.0 |
| 63.5     | 38.1 | 43.5 | 28.0 | 14.0 |
| 76       | 44.5 | 50.0 | 31.5 | 14.0 |
| 89       | 50.8 | 56.5 | 31.5 | 16.0 |
| 100      | 56.5 | 63.4 | 41.5 | 18.0 |

<Screw specifications>

$\phi 50$  to  $\phi 89$

Plus hexagon-headed screw :

M5X0.8X10

Maximum screw tightening torque :  
3.23Nm

$\phi 100$

Cross-recessed head (Phillips)

screw : M8X1.25X16

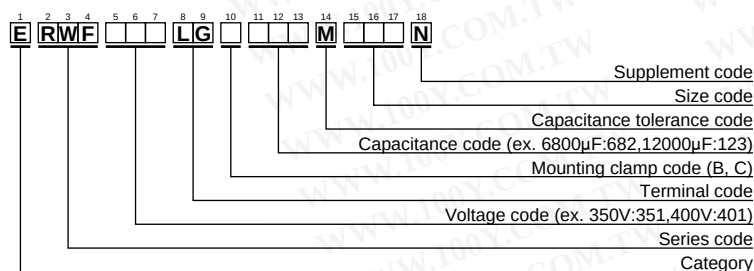
Spring washer

Washer

Maximum screw tightening torque :  
6.31Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆ PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Inverter-use screw terminal, 85°C

## RWF Series

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 120Hz) | Part No.           |
|----------|----------|--------------------|------|------------------------------------------|--------------------|----------|----------|--------------------|------|------------------------------------------|--------------------|
| 350      | 2200     | 50×96              | 0.25 | 7.7                                      | ERWF351LGC222MC96N | 400      | 5600     | 76×130             | 0.25 | 16.9                                     | ERWF401LGC562MED0N |
|          | 2700     | 50×115             | 0.25 | 9.3                                      | ERWF351LGC272MCB5N |          | 6800     | 76×155             | 0.25 | 20.2                                     | ERWF401LGC682MEF5N |
|          | 3300     | 50×130             | 0.25 | 10.8                                     | ERWF351LGC332MCD0N |          | 8200     | 76×170             | 0.25 | 22.8                                     | ERWF401LGC822MEH0N |
|          | 3900     | 63.5×115           | 0.25 | 12.1                                     | ERWF351LGC392MDB5N |          | 10000    | 89×155             | 0.25 | 26.6                                     | ERWF401LGC103MFF5N |
|          | 4700     | 63.5×130           | 0.25 | 14.0                                     | ERWF351LGC472MDD0N |          | 12000    | 89×170             | 0.25 | 30.0                                     | ERWF401LGC123MFH0N |
|          | 5600     | 63.5×155           | 0.25 | 16.6                                     | ERWF351LGC562MDF5N |          | 15000    | 100×190            | 0.25 | 33.7                                     | ERWF401LGC153MGK0N |
|          | 5600     | 76×115             | 0.25 | 16.1                                     | ERWF351LGC562MEB5N |          | 18000    | 100×220            | 0.25 | 37.4                                     | ERWF401LGC183MGN0N |
|          | 6800     | 63.5×190           | 0.25 | 20.0                                     | ERWF351LGC682MDK0N | 450      | 1200     | 50×96              | 0.25 | 5.7                                      | ERWF451LGC122MC96N |
|          | 6800     | 76×130             | 0.25 | 18.6                                     | ERWF351LGC682MED0N |          | 1500     | 50×96              | 0.25 | 6.3                                      | ERWF451LGC152MC96N |
|          | 8200     | 76×155             | 0.25 | 22.2                                     | ERWF351LGC822MEF5N |          | 1800     | 50×115             | 0.25 | 7.6                                      | ERWF451LGC182MCB5N |
|          | 10000    | 76×170             | 0.25 | 25.2                                     | ERWF351LGC103MEH0N |          | 2200     | 50×130             | 0.25 | 8.8                                      | ERWF451LGC222MCD0N |
|          | 12000    | 89×155             | 0.25 | 29.1                                     | ERWF351LGC123MFF5N |          | 2700     | 63.5×115           | 0.25 | 10.1                                     | ERWF451LGC272MDB5N |
|          | 15000    | 89×190             | 0.25 | 35.7                                     | ERWF351LGC153MGK0N |          | 3300     | 63.5×130           | 0.25 | 11.7                                     | ERWF451LGC332MDD0N |
|          | 18000    | 100×190            | 0.25 | 36.9                                     | ERWF351LGC183MGK0N |          | 3900     | 63.5×155           | 0.25 | 13.8                                     | ERWF451LGC392MDF5N |
|          | 22000    | 100×250            | 0.25 | 46.1                                     | ERWF351LGC223MGR0N |          | 3900     | 76×115             | 0.25 | 13.4                                     | ERWF451LGC392MEB5N |
| 400      | 1800     | 50×96              | 0.25 | 7.0                                      | ERWF401LGC182MC96N |          | 4700     | 63.5×190           | 0.25 | 16.7                                     | ERWF451LGC472MDK0N |
|          | 2200     | 50×105             | 0.25 | 8.0                                      | ERWF401LGC222MCA5N |          | 4700     | 76×130             | 0.25 | 15.5                                     | ERWF451LGC472MED0N |
|          | 2700     | 50×130             | 0.25 | 9.8                                      | ERWF401LGC272MCD0N |          | 5600     | 76×155             | 0.25 | 18.3                                     | ERWF451LGC562MEF5N |
|          | 3300     | 63.5×115           | 0.25 | 11.1                                     | ERWF401LGC332MDB5N |          | 6800     | 76×170             | 0.25 | 20.7                                     | ERWF451LGC682MEH0N |
|          | 3900     | 63.5×130           | 0.25 | 12.7                                     | ERWF401LGC392MDD0N |          | 8200     | 89×155             | 0.25 | 24.1                                     | ERWF451LGC822MFF5N |
|          | 4700     | 63.5×155           | 0.25 | 15.2                                     | ERWF401LGC472MDF5N |          | 10000    | 89×170             | 0.25 | 27.8                                     | ERWF451LGC103MFH0N |
|          | 4700     | 76×115             | 0.25 | 14.7                                     | ERWF401LGC472MEB5N |          | 12000    | 100×190            | 0.25 | 29.3                                     | ERWF451LGC123MGK0N |
|          | 5600     | 63.5×190           | 0.25 | 18.2                                     | ERWF401LGC562MDK0N |          | 15000    | 100×250            | 0.25 | 37.0                                     | ERWF451LGC153MGR0N |

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Frequency (Hz) | 50  | 120 | 300 | 1k  | 3k  |
|----------------|-----|-----|-----|-----|-----|
| Coefficient    | 0.8 | 1.0 | 1.1 | 1.3 | 1.4 |

Note : The endurance of capacitors is shortened with internal heating produced by ripple currents at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the RWF series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.

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 胜特力电子(深圳) 86-755-83298787  
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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Inverter-use screw terminal, 85°C

## RWL Series

- High ripple capability
- For train systems and high power consumed inverter circuits
- Endurance with ripple current : 85°C 20000 hours

RWL

↑  
longer life  
RWF



### ◆SPECIFICATIONS

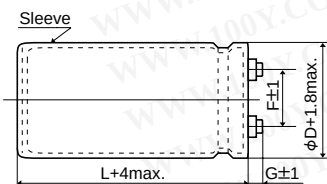
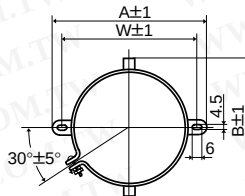
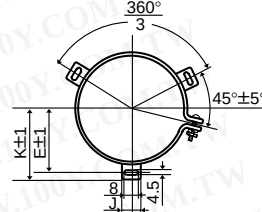
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                            |             |                                      |                 |                              |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -25 to +85°C                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 350 to 450V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                 |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | 0.25 max. (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ.                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                           |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied 20000 hours at 85°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±30% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤300% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±30% of the initial value | D.F. (tanδ) | ≤300% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±30% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤300% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤300% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                          | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤300% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤300% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                            |             |                                      |                 |                              |

### ◆DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG

● Mounting Clamp Code : B

● Mounting Clamp Code : C



φ63.5 : G=6  
φ76 & φ89 : G=5

| φD   | A     | B  | W    | F    |
|------|-------|----|------|------|
| 63.5 | 90    | 76 | 80   | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 31.5 |

| φD   | E    | K    | F    | J    |
|------|------|------|------|------|
| 63.5 | 38.1 | 43.5 | 28.0 | 14.0 |
| 76   | 44.5 | 50.0 | 31.5 | 14.0 |
| 89   | 50.8 | 56.5 | 31.5 | 16.0 |

&lt;Screw specifications&gt;

Plus hexagon-headed screw:

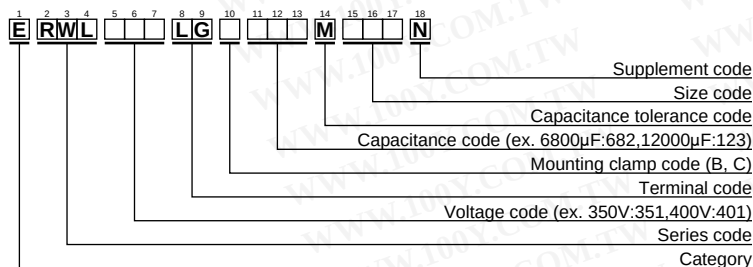
M5×0.8×10

Maximum screw tightening torque:

3.23Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS Inverter-use screw terminal, 85°C

## RWL-Series

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/ 85°C, 120Hz) | Part No.           |
|----------|----------|--------------------|------|------------------------------------------|--------------------|----------|----------|--------------------|------|------------------------------------------|--------------------|
| 350      | 3300     | 63.5×115           | 0.25 | 11.1                                     | ERWL351LGC332MDB5N | 400      | 5600     | 63.5×190           | 0.25 | 18.2                                     | ERWL401LGC562MDK0N |
|          | 3900     | 63.5×130           | 0.25 | 12.8                                     | ERWL351LGC392MDD0N |          | 5600     | 76×155             | 0.25 | 18.3                                     | ERWL401LGC562MEF5N |
|          | 4700     | 63.5×155           | 0.25 | 15.2                                     | ERWL351LGC472MDF5N |          | 6800     | 76×170             | 0.25 | 21.0                                     | ERWL401LGC682MEH0N |
|          | 4700     | 76×115             | 0.25 | 14.7                                     | ERWL351LGC472MEB5N |          | 8200     | 89×155             | 0.25 | 24.1                                     | ERWL401LGC822MFF5N |
|          | 5600     | 63.5×170           | 0.25 | 17.3                                     | ERWL351LGC562MDH0N |          | 10000    | 89×190             | 0.25 | 29.1                                     | ERWL401LGC103MFK0N |
|          | 5600     | 76×130             | 0.25 | 16.9                                     | ERWL351LGC562MED0N | 450      | 2200     | 63.5×115           | 0.25 | 9.1                                      | ERWL451LGC222MDB5N |
|          | 6800     | 63.5×190           | 0.25 | 20.0                                     | ERWL351LGC682MDK0N |          | 2700     | 63.5×130           | 0.25 | 10.6                                     | ERWL451LGC272MDD0N |
|          | 6800     | 76×155             | 0.25 | 20.2                                     | ERWL351LGC682MEF5N |          | 2700     | 76×115             | 0.25 | 11.2                                     | ERWL451LGC272MEB5N |
|          | 8200     | 76×170             | 0.25 | 23.1                                     | ERWL351LGC822MEH0N |          | 3300     | 63.5×155           | 0.25 | 12.7                                     | ERWL451LGC332MDF5N |
|          | 10000    | 89×155             | 0.25 | 26.6                                     | ERWL351LGC103MFF5N |          | 3300     | 76×130             | 0.25 | 13.0                                     | ERWL451LGC332MED0N |
|          | 12000    | 89×190             | 0.25 | 32.0                                     | ERWL351LGC123MFK0N |          | 3900     | 63.5×170           | 0.25 | 14.4                                     | ERWL451LGC392MDH0N |
| 400      | 2700     | 63.5×115           | 0.25 | 10.1                                     | ERWL401LGC272MDB5N |          | 4700     | 76×155             | 0.25 | 16.7                                     | ERWL451LGC472MEF5N |
|          | 3300     | 63.5×130           | 0.25 | 11.7                                     | ERWL401LGC332MDD0N |          | 5600     | 76×190             | 0.25 | 20.1                                     | ERWL451LGC562MEK0N |
|          | 3900     | 63.5×155           | 0.25 | 13.8                                     | ERWL401LGC392MDF5N |          | 5600     | 89×155             | 0.25 | 19.9                                     | ERWL451LGC562MFF5N |
|          | 3900     | 76×115             | 0.25 | 14.7                                     | ERWL401LGC392MEB5N |          | 6800     | 89×170             | 0.25 | 23.0                                     | ERWL451LGC682MFH0N |
|          | 4700     | 63.5×170           | 0.25 | 15.8                                     | ERWL401LGC472MDH0N |          | 8200     | 89×190             | 0.25 | 26.4                                     | ERWL451LGC822MFK0N |
|          | 4700     | 76×130             | 0.25 | 15.5                                     | ERWL401LGC472MED0N |          |          |                    |      |                                          |                    |

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Frequency (Hz) | 50  | 120 | 300 | 1k  | 3k  |
|----------------|-----|-----|-----|-----|-----|
| Coefficient    | 0.8 | 1.0 | 1.1 | 1.3 | 1.4 |

Note : The endurance of capacitors is shorted with internal heating produced by ripple currents at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for RWL series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS long life screw terminals ,105°C

## LXA Series

- Rated voltage range up to 525V<sub>dc</sub>
- Endurance with ripple current : 105°C 5000 hours (2000 hours for 500V<sub>dc</sub> & 525V<sub>dc</sub>)
- High reliability products



### ◆SPECIFICATIONS

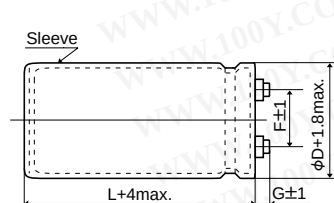
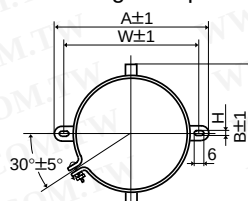
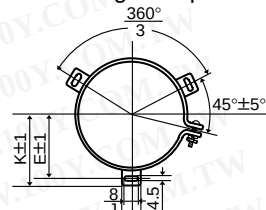
| Items                           | Characteristics                                                                                                                                                                                                                                  |                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Category                        |                                                                                                                                                                                                                                                  |                                                                                                |
| Temperature Range               | -40 to +105°C (10 to 100V <sub>dc</sub> )    -25 to +105°C (160 to 525V <sub>dc</sub> )                                                                                                                                                          |                                                                                                |
| Rated Voltage Range             | 10 to 525V <sub>dc</sub>                                                                                                                                                                                                                         |                                                                                                |
| Capacitance Tolerance           | -10 to +50% (T) (10 to 250V <sub>dc</sub> )    ±20% (M) (350 to 525V <sub>dc</sub> )<br>(at 20°C, 120Hz)                                                                                                                                         |                                                                                                |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)<br>(at 20°C after 5 minutes)                                                                                 |                                                                                                |
| Dissipation Factor (tanδ)       | See STANDARD RATINGS (10 to 250V <sub>dc</sub> )    0.20max (350 to 525V <sub>dc</sub> )<br>(at 20°C, 120Hz)                                                                                                                                     |                                                                                                |
| Low Temperature Characteristics | Capacitance change    C(-40°C)/C(+20°C)≥0.6(10 to 100V <sub>dc</sub> )    C(-25°C)/C(+20°C)≥0.7(160 to 250V <sub>dc</sub> )<br>C(-25°C)/C(+20°C)≥0.65(350 to 525V <sub>dc</sub> )<br>(at 120Hz)                                                  |                                                                                                |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation resistance shall not be less than 100MΩ. |                                                                                                |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                              |                                                                                                |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after DC voltage with the rated ripple current is applied for 5000 hours (2000 hours for 500 & 525V <sub>dc</sub> products) at 105°C.                   |                                                                                                |
|                                 | Capacitance change                                                                                                                                                                                                                               | ≤±20% of the initial value                                                                     |
|                                 | D.F. (tanδ)                                                                                                                                                                                                                                      | ≤200% of the initial specified value                                                           |
|                                 | Leakage current                                                                                                                                                                                                                                  | ≤The initial specified value                                                                   |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.                                                                                    |                                                                                                |
|                                 | Rated voltage                                                                                                                                                                                                                                    | 10 to 250V <sub>dc</sub> 350 to 525V <sub>dc</sub>                                             |
|                                 | Capacitance change                                                                                                                                                                                                                               | ≤±15% of the initial value                      ≤±20% of the initial value                     |
|                                 | D.F. (tanδ)                                                                                                                                                                                                                                      | ≤150% of the initial specified value                      ≤200% of the initial specified value |
|                                 | Leakage current                                                                                                                                                                                                                                  | ≤The initial specified value                      ≤The initial specified value                 |

### ◆DIMENSIONS (Screw-Mount) [mm]

● Terminal Code : LG

● Mounting Clamp Code : B

● Mounting Clamp Code : C



| φD     | G                        |                           |
|--------|--------------------------|---------------------------|
|        | 10 to 250V <sub>dc</sub> | 350 to 525V <sub>dc</sub> |
| ~φ63.5 | 6                        | 6                         |
| φ76    | 5                        | 6                         |
| φ89    | 5                        | 4                         |

| φD   | A     | B  | W    | H   | F    |
|------|-------|----|------|-----|------|
| 35   | 58    | 44 | 48   | 3.5 | 12.7 |
| 50   | 78    | 64 | 68   | 4.5 | 22.4 |
| 63.5 | 90    | 76 | 80   | 4.5 | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 4.5 | 31.5 |

| φD   | E    | K    | J    | F    |
|------|------|------|------|------|
| 50   | 32.5 | 37.0 | 14.0 | 22.4 |
| 63.5 | 38.1 | 43.5 | 14.0 | 28.0 |
| 76   | 44.5 | 50.0 | 14.0 | 31.5 |
| 89   | 50.8 | 56.5 | 16.0 | 31.5 |

<Screw specifications>

Plus hexagon-headed screw:

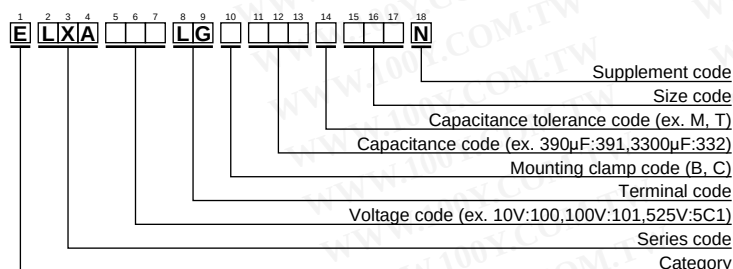
M5×0.8×10

Maximum screw tightening torque:

3.23Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS long life screw terminals ,105°C

**LXA**Series

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 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           |
|----------|----------|--------------------|------|-----------------------------------------|--------------------|----------|----------|--------------------|------|-----------------------------------------|--------------------|
| 10       | 27000    | 35×80              | 0.45 | 4.3                                     | ELXA100LGB273TA80N | 50       | 10000    | 35×80              | 0.25 | 3.7                                     | ELXA500LGB103TA80N |
|          | 33000    | 35×80              | 0.45 | 4.7                                     | ELXA100LGB333TA80N |          | 12000    | 35×100             | 0.25 | 4.4                                     | ELXA500LGB123TAA0N |
|          | 39000    | 35×80              | 0.45 | 5.3                                     | ELXA100LGB393TA80N |          | 15000    | 35×120             | 0.30 | 4.7                                     | ELXA500LGB153TAC0N |
|          | 47000    | 35×100             | 0.45 | 6.1                                     | ELXA100LGB473TAA0N |          | 18000    | 50×80              | 0.35 | 4.8                                     | ELXA500LGC183TC80N |
|          | 56000    | 35×100             | 0.50 | 6.2                                     | ELXA100LGB563TAA0N |          | 22000    | 50×100             | 0.35 | 5.9                                     | ELXA500LGC223TCA0N |
|          | 68000    | 35×120             | 0.60 | 6.8                                     | ELXA100LGB683TAC0N |          | 27000    | 50×120             | 0.35 | 7.0                                     | ELXA500LGC273TCC0N |
|          | 82000    | 50×80              | 0.60 | 7.8                                     | ELXA100LGC823TC80N |          | 33000    | 63.5×100           | 0.40 | 7.6                                     | ELXA500LGC333TDA0N |
|          | 100000   | 50×100             | 0.70 | 8.5                                     | ELXA100LGC104TCA0N |          | 39000    | 63.5×120           | 0.40 | 8.9                                     | ELXA500LGC393TDC0N |
|          | 120000   | 50×100             | 0.70 | 9.5                                     | ELXA100LGC124TCA0N |          | 47000    | 63.5×120           | 0.40 | 9.8                                     | ELXA500LGC473TDC0N |
|          | 150000   | 63.5×100           | 0.80 | 11.0                                    | ELXA100LGC154TDA0N |          | 56000    | 76×120             | 0.40 | 11.9                                    | ELXA500LGC563TEC0N |
|          | 180000   | 63.5×100           | 0.80 | 12.1                                    | ELXA100LGC184TDA0N |          | 68000    | 76×140             | 0.45 | 13.1                                    | ELXA500LGC683TEE0N |
|          | 220000   | 76×100             | 1.00 | 13.2                                    | ELXA100LGC224TEA0N |          | 82000    | 89×140             | 0.50 | 14.8                                    | ELXA500LGC823TFE0N |
|          | 270000   | 76×120             | 1.20 | 14.4                                    | ELXA100LGC274TEC0N | 63       | 2700     | 35×50              | 0.15 | 1.9                                     | ELXA630LGB272TA50N |
|          | 330000   | 76×140             | 1.20 | 17.0                                    | ELXA100LGC334TEE0N |          | 3300     | 35×50              | 0.15 | 2.1                                     | ELXA630LGB322TA50N |
|          | 390000   | 89×140             | 1.40 | 18.6                                    | ELXA100LGC394TFE0N |          | 3900     | 35×80              | 0.20 | 2.7                                     | ELXA630LGB392TA80N |
| 16       | 15000    | 35×50              | 0.45 | 2.9                                     | ELXA160LGB153TA50N |          | 4700     | 35×80              | 0.20 | 2.9                                     | ELXA630LGB472TA80N |
|          | 18000    | 35×80              | 0.45 | 3.5                                     | ELXA160LGB183TA80N |          | 5600     | 35×80              | 0.20 | 3.2                                     | ELXA630LGB562TA80N |
|          | 22000    | 35×80              | 0.45 | 3.9                                     | ELXA160LGB223TA80N |          | 6800     | 35×80              | 0.20 | 3.5                                     | ELXA630LGB682TA80N |
|          | 27000    | 35×80              | 0.45 | 4.3                                     | ELXA160LGB273TA80N |          | 8200     | 35×100             | 0.20 | 4.2                                     | ELXA630LGB822TAA0N |
|          | 33000    | 35×100             | 0.50 | 4.8                                     | ELXA160LGB333TAA0N |          | 10000    | 35×120             | 0.25 | 4.3                                     | ELXA630LGB103TAC0N |
|          | 39000    | 35×100             | 0.50 | 5.3                                     | ELXA160LGB393TAA0N |          | 12000    | 50×80              | 0.25 | 4.8                                     | ELXA630LGC123TC80N |
|          | 47000    | 35×120             | 0.50 | 6.2                                     | ELXA160LGB473TAC0N |          | 15000    | 50×100             | 0.25 | 5.9                                     | ELXA630LGC153TCA0N |
|          | 56000    | 50×80              | 0.60 | 6.3                                     | ELXA160LGC563TC80N |          | 18000    | 50×120             | 0.25 | 6.3                                     | ELXA630LGC183TCC0N |
|          | 68000    | 50×100             | 0.60 | 7.6                                     | ELXA160LGC683TCA0N |          | 22000    | 50×120             | 0.30 | 6.7                                     | ELXA630LGC223TCC0N |
|          | 82000    | 50×120             | 0.70 | 8.3                                     | ELXA160LGC823TCC0N |          | 27000    | 63.5×120           | 0.30 | 8.8                                     | ELXA630LGC273TDC0N |
|          | 100000   | 50×120             | 0.70 | 9.2                                     | ELXA160LGC104TCC0N |          | 33000    | 76×100             | 0.30 | 10.0                                    | ELXA630LGC333TEA0N |
|          | 120000   | 63.5×100           | 0.80 | 9.9                                     | ELXA160LGC124TDA0N |          | 39000    | 76×120             | 0.35 | 10.7                                    | ELXA630LGC393TEC0N |
|          | 150000   | 76×100             | 0.80 | 12.3                                    | ELXA160LGC154TEA0N |          | 47000    | 76×140             | 0.35 | 12.5                                    | ELXA630LGC473TFE0N |
|          | 180000   | 76×120             | 0.80 | 14.5                                    | ELXA160LGC184TEC0N |          | 56000    | 89×140             | 0.40 | 13.8                                    | ELXA630LGC563TFE0N |
|          | 220000   | 76×140             | 1.00 | 15.2                                    | ELXA160LGC224TEE0N | 80       | 2200     | 35×50              | 0.15 | 1.9                                     | ELXA800LGB222TA50N |
|          | 270000   | 89×140             | 1.20 | 16.8                                    | ELXA160LGC274TFE0N |          | 2700     | 35×80              | 0.15 | 2.2                                     | ELXA800LGB272TA80N |
| 25       | 12000    | 35×80              | 0.35 | 3.3                                     | ELXA250LGB123TA80N |          | 3300     | 35×80              | 0.15 | 2.5                                     | ELXA800LGB332TA80N |
|          | 15000    | 35×80              | 0.35 | 3.7                                     | ELXA250LGB153TA80N |          | 3900     | 35×80              | 0.15 | 2.9                                     | ELXA800LGB392TA80N |
|          | 18000    | 35×80              | 0.35 | 4.0                                     | ELXA250LGB183TA80N |          | 4700     | 35×100             | 0.15 | 3.1                                     | ELXA800LGB472TAA0N |
|          | 22000    | 35×80              | 0.35 | 4.5                                     | ELXA250LGB223TA80N |          | 5600     | 35×100             | 0.15 | 3.5                                     | ELXA800LGB562TAA0N |
|          | 27000    | 35×100             | 0.40 | 5.0                                     | ELXA250LGB273TAA0N |          | 6800     | 35×120             | 0.20 | 4.1                                     | ELXA800LGB682TAC0N |
|          | 33000    | 35×120             | 0.40 | 5.9                                     | ELXA250LGB333TAC0N |          | 8200     | 50×80              | 0.20 | 4.8                                     | ELXA800LGC822TC80N |
|          | 39000    | 50×80              | 0.40 | 6.5                                     | ELXA250LGC393TC80N |          | 10000    | 50×100             | 0.20 | 5.6                                     | ELXA800LGC103TCA0N |
|          | 47000    | 50×100             | 0.40 | 7.9                                     | ELXA250LGC473TCA0N |          | 12000    | 50×100             | 0.20 | 6.1                                     | ELXA800LGC123TCA0N |
|          | 56000    | 50×120             | 0.40 | 8.8                                     | ELXA250LGC563TCC0N |          | 15000    | 50×120             | 0.20 | 7.4                                     | ELXA800LGC153TCC0N |
|          | 68000    | 50×120             | 0.50 | 9.1                                     | ELXA250LGC683TCC0N |          | 18000    | 63.5×120           | 0.25 | 8.0                                     | ELXA800LGC183TDC0N |
|          | 82000    | 63.5×100           | 0.50 | 10.6                                    | ELXA250LGC823TDA0N |          | 22000    | 76×100             | 0.25 | 9.1                                     | ELXA800LGC223TEA0N |
|          | 100000   | 63.5×120           | 0.60 | 11.4                                    | ELXA250LGC104TDC0N |          | 27000    | 76×120             | 0.30 | 9.7                                     | ELXA800LGC273TEC0N |
|          | 120000   | 76×100             | 0.60 | 12.8                                    | ELXA250LGC124TEA0N |          | 33000    | 76×140             | 0.30 | 11.5                                    | ELXA800LGC333TEE0N |
|          | 150000   | 76×120             | 0.75 | 13.7                                    | ELXA250LGC154TEE0N |          | 39000    | 89×140             | 0.35 | 12.5                                    | ELXA800LGC393TFE0N |
|          | 180000   | 76×140             | 0.75 | 16.1                                    | ELXA250LGC184TEE0N | 100      | 1200     | 35×50              | 0.15 | 1.4                                     | ELXA101LGB122TA50N |
|          | 220000   | 89×140             | 1.00 | 16.6                                    | ELXA250LGC224TFE0N |          | 1500     | 35×80              | 0.15 | 1.6                                     | ELXA101LGB152TA80N |
| 35       | 8200     | 35×80              | 0.30 | 3.0                                     | ELXA350LGB822TA80N |          | 1800     | 35×80              | 0.15 | 1.8                                     | ELXA101LGB182TA80N |
|          | 10000    | 35×80              | 0.30 | 3.3                                     | ELXA350LGB103TA80N |          | 2200     | 35×80              | 0.15 | 2.0                                     | ELXA101LGB222TA80N |
|          | 12000    | 35×80              | 0.30 | 3.6                                     | ELXA350LGB123TA80N |          | 2700     | 35×80              | 0.15 | 2.4                                     | ELXA101LGB272TA80N |
|          | 15000    | 35×80              | 0.30 | 4.1                                     | ELXA350LGB153TA80N |          | 3300     | 35×100             | 0.15 | 2.8                                     | ELXA101LGB332TAA0N |
|          | 18000    | 35×100             | 0.30 | 4.8                                     | ELXA350LGB183TAA0N |          | 3900     | 35×120             | 0.15 | 3.1                                     | ELXA101LGB392TAC0N |
|          | 22000    | 35×120             | 0.35 | 5.2                                     | ELXA350LGB223TAC0N |          | 4700     | 50×80              | 0.15 | 3.6                                     | ELXA101LGC472TC80N |
|          | 27000    | 50×80              | 0.40 | 5.9                                     | ELXA350LGC273TC80N |          | 5600     | 50×100             | 0.15 | 4.3                                     | ELXA101LGC562TCA0N |
|          | 33000    | 50×100             | 0.40 | 6.6                                     | ELXA350LGC333TCA0N |          | 6800     | 50×120             | 0.15 | 5.0                                     | ELXA101LGC682TCC0N |
|          | 39000    | 50×120             | 0.40 | 7.8                                     | ELXA350LGC393TCC0N |          | 8200     | 50×120             | 0.15 | 5.5                                     | ELXA101LGC822TCC0N |
|          | 47000    | 50×120             | 0.45 | 8.0                                     | ELXA350LGC473TCC0N |          | 10000    | 63.5×100           | 0.15 | 6.4                                     | ELXA101LGC103TDA0N |
|          | 56000    | 63.5×100           | 0.45 | 9.2                                     | ELXA350LGC563TDA0N |          | 12000    | 63.5×120           | 0.20 | 6.6                                     | ELXA101LGC123TDC0N |
|          | 68000    | 63.5×120           | 0.45 | 11.0                                    | ELXA350LGC683TDC0N |          | 15000    | 76×100             | 0.20 | 7.5                                     | ELXA101LGC153TEA0N |
|          | 82000    | 76×120             | 0.50 | 12.7                                    | ELXA350LGC823TEC0N |          | 18000    | 76×120             | 0.25 | 8.0                                     | ELXA101LGC183TEC0N |
|          | 100000   | 76×140             | 0.60 | 13.5                                    | ELXA350LGC104TEE0N |          | 22000    | 76×140             | 0.25 | 9.4                                     | ELXA101LGC223TEE0N |
|          | 120000   | 89×140             | 0.60 | 16.1                                    | ELXA350LGC124TFE0N |          | 27000    | 89×140             | 0.30 | 10.4                                    | ELXA101LGC273TFE0N |
| 50       | 3900     | 35×50              | 0.20 | 2.0                                     | ELXA500LGB392TA50N | 160      | 680      | 35×50              | 0.15 | 1.1                                     | ELXA161LGB681TA50N |
|          | 4700     | 35×50              | 0.25 | 2.2                                     | ELXA500LGB472TA50N |          | 820      | 35×80              | 0.15 | 1.2                                     | ELXA161LGB821TA80N |
|          | 5600     | 35×80              | 0.25 | 2.8                                     | ELXA500LGB562TA80N |          | 1000     | 35×80              | 0.15 | 1.3                                     | ELXA161LGB102TA80N |
|          | 6800     | 35×80              | 0.25 | 3.0                                     | ELXA500LGB682TA80N |          | 1200     | 35×80              | 0.15 | 1.5                                     | ELXA161LGB122TA80N |
|          | 8200     | 35×80              | 0.25 | 3.3                                     | ELXA500LGB822TA80N |          | 1500     | 35×80              | 0.15 | 1.7                                     | ELXA161LGB152TA80N |



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

long life screw terminals ,105°C

## LXA Series

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           | WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           |
|----------|----------|--------------------|------|-----------------------------------------|--------------------|----------|----------|--------------------|------|-----------------------------------------|--------------------|
| 160      | 1800     | 35×100             | 0.15 | 2.0                                     | ELXA161LGB182TAA0N | 400      | 680      | 50×60              | 0.20 | 3.0                                     | ELXA401LGC681MC60N |
|          | 2200     | 35×120             | 0.15 | 2.3                                     | ELXA161LGB222TAA0N |          | 1200     | 50×85              | 0.20 | 4.7                                     | ELXA401LGC122MC85N |
|          | 2700     | 35×120             | 0.15 | 2.7                                     | ELXA161LGB272TAA0N |          | 1800     | 50×105             | 0.20 | 6.3                                     | ELXA401LGC182MCA5N |
|          | 3300     | 50×100             | 0.15 | 3.3                                     | ELXA161LGC332TCA0N |          | 2200     | 50×125             | 0.20 | 7.5                                     | ELXA401LGC222MCC5N |
|          | 3900     | 50×120             | 0.15 | 3.8                                     | ELXA161LGC392TCC0N |          | 2200     | 63.5×85            | 0.20 | 7.3                                     | ELXA401LGC222MD85N |
|          | 4700     | 50×120             | 0.15 | 4.2                                     | ELXA161LGC472TCC0N |          | 2700     | 50×145             | 0.20 | 8.9                                     | ELXA401LGC272MCE5N |
|          | 5600     | 50×120             | 0.15 | 4.7                                     | ELXA161LGC562TCC0N |          | 2700     | 63.5×105           | 0.20 | 8.8                                     | ELXA401LGC272MDA5N |
|          | 6800     | 63.5×120           | 0.15 | 5.7                                     | ELXA161LGC682TDC0N |          | 3300     | 63.5×125           | 0.20 | 10.5                                    | ELXA401LGC332MDC5N |
|          | 8200     | 76×100             | 0.20 | 6.4                                     | ELXA161LGC822TEA0N |          | 3300     | 76×85              | 0.20 | 9.9                                     | ELXA401LGC332ME85N |
|          | 10000    | 76×120             | 0.20 | 6.6                                     | ELXA161LGC103TEC0N |          | 4700     | 63.5×145           | 0.20 | 13.4                                    | ELXA401LGC472MCE5N |
|          | 12000    | 76×140             | 0.20 | 7.8                                     | ELXA161LGC123TEE0N |          | 4700     | 76×125             | 0.20 | 13.9                                    | ELXA401LGC472MEC5N |
|          | 15000    | 89×140             | 0.20 | 9.5                                     | ELXA161LGC153TFE0N |          | 6800     | 76×145             | 0.20 | 17.9                                    | ELXA401LGC682MEE5N |
| 200      | 470      | 35×50              | 0.15 | 0.9                                     | ELXA201LGB471TA50N | 450      | 560      | 50×60              | 0.20 | 2.6                                     | ELXA451LGC561MC60N |
|          | 560      | 35×80              | 0.15 | 1.0                                     | ELXA201LGB561TA50N |          | 1000     | 50×85              | 0.20 | 4.0                                     | ELXA451LGC102MC85N |
|          | 680      | 35×80              | 0.15 | 1.1                                     | ELXA201LGB681TA80N |          | 1200     | 50×105             | 0.20 | 4.8                                     | ELXA451LGC122MCA5N |
|          | 820      | 35×80              | 0.15 | 1.3                                     | ELXA201LGB821TA80N |          | 1800     | 50×125             | 0.20 | 6.4                                     | ELXA451LGC182MCC5N |
|          | 1000     | 35×100             | 0.15 | 1.5                                     | ELXA201LGB102TAA0N |          | 1800     | 63.5×85            | 0.20 | 6.2                                     | ELXA451LGC182MD85N |
|          | 1200     | 35×120             | 0.15 | 1.7                                     | ELXA201LGB122TAA0N |          | 2200     | 50×145             | 0.20 | 7.6                                     | ELXA451LGC222MCE5N |
|          | 1500     | 35×120             | 0.15 | 1.9                                     | ELXA201LGB152TAA0N |          | 2200     | 63.5×105           | 0.20 | 7.5                                     | ELXA451LGC222MDA5N |
|          | 1800     | 50×80              | 0.15 | 2.2                                     | ELXA201LGC182TC80N |          | 2700     | 63.5×125           | 0.20 | 8.9                                     | ELXA451LGC272MDC5N |
|          | 2200     | 50×100             | 0.15 | 2.7                                     | ELXA201LGC222TCA0N |          | 2700     | 76×85              | 0.20 | 8.4                                     | ELXA451LGC272ME85N |
|          | 2700     | 50×120             | 0.15 | 3.2                                     | ELXA201LGC272TCC0N |          | 3300     | 63.5×145           | 0.20 | 10.6                                    | ELXA451LGC332MDE5N |
|          | 3300     | 50×120             | 0.15 | 3.5                                     | ELXA201LGC332TCC0N |          | 3300     | 76×105             | 0.20 | 10.2                                    | ELXA451LGC332MEA5N |
|          | 3900     | 63.5×100           | 0.15 | 4.0                                     | ELXA201LGC392TDA0N |          | 3900     | 76×125             | 0.20 | 11.9                                    | ELXA451LGC392MEC5N |
| 250      | 4700     | 63.5×120           | 0.15 | 4.7                                     | ELXA201LGC472TDC0N | 500      | 4700     | 76×145             | 0.20 | 14.0                                    | ELXA451LGC472MEE5N |
|          | 5600     | 76×100             | 0.15 | 5.3                                     | ELXA201LGC562TEA0N |          | 5600     | 89×125             | 0.20 | 14.2                                    | ELXA451LGC562MFC5N |
|          | 6800     | 76×120             | 0.15 | 6.3                                     | ELXA201LGC682TEC0N |          | 6800     | 76×190             | 0.20 | 17.3                                    | ELXA451LGC682MEK0N |
|          | 8200     | 76×140             | 0.20 | 6.4                                     | ELXA201LGC822TEE0N |          | 6800     | 89×145             | 0.20 | 16.7                                    | ELXA451LGC682MFE5N |
|          | 10000    | 89×140             | 0.20 | 7.7                                     | ELXA201LGC103TFE0N |          | 10000    | 89×190             | 0.20 | 22.8                                    | ELXA451LGC103MFK0N |
|          | 330      | 35×50              | 0.15 | 0.7                                     | ELXA251LGB331TA50N |          | 15000    | 89×270             | 0.20 | 32.8                                    | ELXA451LGC153MFT0N |
|          | 390      | 35×80              | 0.15 | 0.8                                     | ELXA251LGB391TA80N | 525      | 470      | 50×60              | 0.20 | 2.4                                     | ELXA501LGC471MC60N |
|          | 470      | 35×80              | 0.15 | 0.9                                     | ELXA251LGB471TA80N |          | 820      | 50×85              | 0.20 | 3.6                                     | ELXA501LGC821MC85N |
|          | 560      | 35×80              | 0.15 | 1.0                                     | ELXA251LGB561TA80N |          | 1000     | 50×105             | 0.20 | 4.4                                     | ELXA501LGC102MCA5N |
|          | 680      | 35×100             | 0.15 | 1.2                                     | ELXA251LGB681TAA0N |          | 1200     | 50×125             | 0.20 | 5.2                                     | ELXA501LGC122MCC5N |
|          | 820      | 35×100             | 0.15 | 1.4                                     | ELXA251LGB821TAA0N |          | 1200     | 63.5×85            | 0.20 | 5.0                                     | ELXA501LGC122MD85N |
|          | 1000     | 35×120             | 0.15 | 1.6                                     | ELXA251LGB102TAA0N |          | 1500     | 50×145             | 0.20 | 6.3                                     | ELXA501LGC152MCE5N |
|          | 1200     | 50×80              | 0.15 | 1.8                                     | ELXA251LGC122TC80N |          | 1800     | 63.5×105           | 0.20 | 6.8                                     | ELXA501LGC182MDA5N |
|          | 1500     | 50×100             | 0.15 | 2.2                                     | ELXA251LGC152TCA0N |          | 2700     | 63.5×145           | 0.20 | 9.6                                     | ELXA501LGC272MDE5N |
|          | 1800     | 50×120             | 0.15 | 2.6                                     | ELXA251LGC182TCC0N |          | 2700     | 76×105             | 0.20 | 9.2                                     | ELXA501LGC272MEA5N |
|          | 2200     | 50×120             | 0.15 | 2.8                                     | ELXA251LGC222TCC0N |          | 3900     | 76×145             | 0.20 | 12.7                                    | ELXA501LGC392MEE5N |
|          | 2700     | 63.5×100           | 0.15 | 3.3                                     | ELXA251LGC272TDA0N |          | 3900     | 89×125             | 0.20 | 11.9                                    | ELXA501LGC392MFC5N |
|          | 3300     | 63.5×120           | 0.15 | 4.0                                     | ELXA251LGC332TDC0N |          | 6800     | 89×190             | 0.20 | 18.8                                    | ELXA501LGC682MFK0N |
| 350      | 3900     | 76×100             | 0.15 | 4.4                                     | ELXA251LGC392TEA0N |          | 10000    | 89×270             | 0.20 | 26.8                                    | ELXA501LGC103MFT0N |
|          | 4700     | 76×120             | 0.15 | 5.2                                     | ELXA251LGC472TEC0N | 525      | 390      | 50×60              | 0.20 | 2.2                                     | ELXA5C1LGC391MC60N |
|          | 5600     | 76×140             | 0.15 | 6.1                                     | ELXA251LGC562TEE0N |          | 680      | 50×85              | 0.20 | 3.3                                     | ELXA5C1LGC681MC85N |
|          | 6800     | 89×140             | 0.15 | 7.4                                     | ELXA251LGC682TFE0N |          | 1000     | 50×125             | 0.20 | 4.8                                     | ELXA5C1LGC102MCC5N |
|          | 820      | 50×60              | 0.20 | 3.3                                     | ELXA351LGC821MC60N |          | 1500     | 63.5×105           | 0.20 | 6.2                                     | ELXA5C1LGC152MDA5N |
|          | 1500     | 50×85              | 0.20 | 5.2                                     | ELXA351LGC152MC85N |          | 1800     | 63.5×125           | 0.20 | 7.3                                     | ELXA5C1LGC182MDC5N |
|          | 2200     | 50×105             | 0.20 | 7.0                                     | ELXA351LGC222MCA5N |          | 2200     | 63.5×145           | 0.20 | 8.6                                     | ELXA5C1LGC222MDE5N |
|          | 2700     | 50×125             | 0.20 | 8.4                                     | ELXA351LGC272MCC5N |          | 2200     | 76×105             | 0.20 | 8.3                                     | ELXA5C1LGC222MEA5N |
|          | 2700     | 63.5×85            | 0.20 | 8.1                                     | ELXA351LGC272MD85N |          | 2700     | 76×125             | 0.20 | 9.9                                     | ELXA5C1LGC272MEC5N |
|          | 3300     | 50×145             | 0.20 | 9.9                                     | ELXA351LGC332MCE5N |          | 3300     | 76×145             | 0.20 | 11.7                                    | ELXA5C1LGC332MEE5N |
|          | 3300     | 63.5×105           | 0.20 | 9.8                                     | ELXA351LGC332MDA5N |          | 4700     | 76×190             | 0.20 | 14.4                                    | ELXA5C1LGC472MEK0N |
|          | 3900     | 63.5×125           | 0.20 | 11.5                                    | ELXA351LGC392MDC5N |          | 4700     | 89×145             | 0.20 | 13.9                                    | ELXA5C1LGC472MFE5N |
|          | 3900     | 76×85              | 0.20 | 10.8                                    | ELXA351LGC392ME85N |          | 5600     | 89×190             | 0.20 | 17.1                                    | ELXA5C1LGC562MFK0N |
|          | 5600     | 63.5×145           | 0.20 | 14.7                                    | ELXA351LGC562MDE5N |          |          |                    |      |                                         |                    |



# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS long life screw terminals ,105°C

## LXA Series

### ◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers  
(10 to 250V<sub>dc</sub>)

| Frequency (Hz)            | 50   | 120  | 300  | 1k   | 10k  | 50k  |
|---------------------------|------|------|------|------|------|------|
| 10 to 50V <sub>dc</sub>   | 0.95 | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 |
| 63 to 80V <sub>dc</sub>   | 0.90 | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 |
| 100 to 250V <sub>dc</sub> | 0.80 | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 |

(350 to 525V<sub>dc</sub>)

| Frequency (Hz) | 50  | 120 | 300 | 1k  | 3k  |
|----------------|-----|-----|-----|-----|-----|
| Coefficient    | 0.8 | 1.0 | 1.2 | 1.5 | 1.6 |

Note : The endurance of capacitors is shorted with internal heating produced by ripple currents at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is requested in actual use, the rms ripple current has to be reduced. Also, for the LXA series capacitors (350 to 525V<sub>dc</sub> products), using them at operating voltage can extend their lifetime. For the detail, please contact a representative of Nippon Chemi-con.

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Inverter-use screw terminal, 105°C

## LXR Series

- Higher ripple capability than LX series
- Endurance with ripple current : 105°C 5000 hours

LXR

↑  
higher ripple  
LX



### ◆SPECIFICATIONS

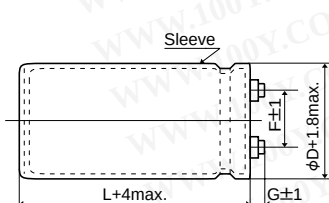
| Items                           | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                            |             |                                      |                 |                              |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------|--------------------------------------|-----------------|------------------------------|
| Category                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                            |             |                                      |                 |                              |
| Temperature Range               | -25 to +105°C                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Rated Voltage Range             | 350 to 450V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Capacitance Tolerance           | ±20% (M) (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Leakage Current                 | I=0.02CV or 5mA, whichever is smaller.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)                                                                                                                                                                                                                                                                                     |                    |                            |             |                                      |                 |                              |
| Dissipation Factor (tanδ)       | 0.15max. (at 20°C, 120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                            |             |                                      |                 |                              |
| Low Temperature Characteristics | Capacitance change C (-25°C)/C(+20°C)≥0.7 (at 120Hz)                                                                                                                                                                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Insulation Resistance           | When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V <sub>dc</sub> , the insulation shall not be less than 100MΩ.                                                                                                                                                                                                             |                    |                            |             |                                      |                 |                              |
| Insulation Withstanding Voltage | When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.                                                                                                                                                                                                                                               |                    |                            |             |                                      |                 |                              |
| Endurance                       | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 5000 hours at 105°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table> | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                            |             |                                      |                 |                              |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>                            | Capacitance change | ≤±20% of the initial value | D.F. (tanδ) | ≤200% of the initial specified value | Leakage current | ≤The initial specified value |
| Capacitance change              | ≤±20% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                            |             |                                      |                 |                              |
| D.F. (tanδ)                     | ≤200% of the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                            |             |                                      |                 |                              |
| Leakage current                 | ≤The initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                            |             |                                      |                 |                              |

### ◆DIMENSIONS (Screw-Mount) [mm]

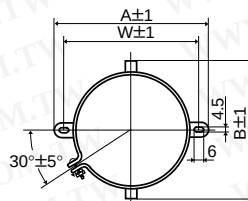
● Terminal Code : LG

● Mounting Clamp Code : B

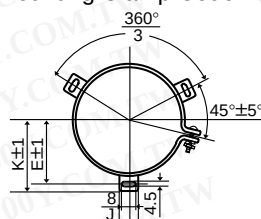
● Mounting Clamp Code : C



φ63.5 & φ76 : G=6  
 φ89 : G=4  
 φ100 : G=10



| φD   | A     | B  | W    | F    |
|------|-------|----|------|------|
| 63.5 | 90    | 76 | 80   | 28.0 |
| 76   | 104.5 | 90 | 93.5 | 31.5 |



| φD   | E    | K    | F    | J    |
|------|------|------|------|------|
| 63.5 | 38.1 | 43.5 | 28.0 | 14.0 |
| 76   | 44.5 | 50.0 | 31.5 | 14.0 |
| 89   | 50.8 | 56.5 | 31.5 | 16.0 |
| 100  | 56.5 | 63.4 | 41.5 | 18.0 |

&lt;Screw specifications&gt;

φ63.5 to φ89

Plus hexagon-headed screw :

M5×0.8×10

Maximum screw tightening torque :

3.23Nm

φ100

Cross-recessed head (Phillips) screw :

M8×1.25×16

Spring washer

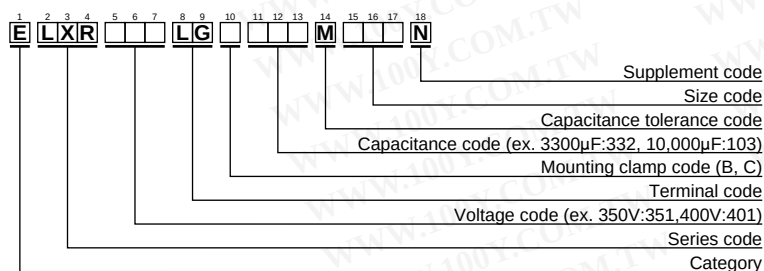
Washer

Maximum screw tightening torque :

6.31Nm

\* The screw and the mounting clamp are separately supplied and not attached to the product.

### ◆PART NUMBERING SYSTEM



Please refer to "A guide to global code (screw-mount terminal type)"

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# LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Inverter-use screw terminal, 105°C

## LXR Series

### ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           |
|----------|----------|--------------------|------|-----------------------------------------|--------------------|
| 350      | 3300     | 63.5×115           | 0.15 | 14.4                                    | ELXR351LGC332MDB5N |
|          | 3900     | 63.5×130           | 0.15 | 16.6                                    | ELXR351LGC392MDD0N |
|          | 4700     | 63.5×155           | 0.15 | 19.8                                    | ELXR351LGC472MDF5N |
|          | 4700     | 76×115             | 0.15 | 19.1                                    | ELXR351LGC472MEB5N |
|          | 5600     | 63.5×170           | 0.15 | 22.5                                    | ELXR351LGC562MDH0N |
|          | 5600     | 76×130             | 0.15 | 21.9                                    | ELXR351LGC562MED0N |
|          | 6800     | 76×155             | 0.15 | 26.2                                    | ELXR351LGC682MEF5N |
|          | 8200     | 76×170             | 0.15 | 30.0                                    | ELXR351LGC822MEH0N |
|          | 8200     | 89×155             | 0.15 | 29.2                                    | ELXR351LGC822MFF5N |
|          | 10000    | 89×170             | 0.15 | 33.7                                    | ELXR351LGC103MFH0N |
| 400      | 12000    | 100×190            | 0.15 | 37.8                                    | ELXR351LGC123MGK0N |
|          | 15000    | 100×250            | 0.15 | 47.7                                    | ELXR351LGC153MGR0N |
|          | 2700     | 63.5×115           | 0.15 | 13.1                                    | ELXR401LGC272MDB5N |
|          | 3300     | 63.5×130           | 0.15 | 15.2                                    | ELXR401LGC332MDD0N |
|          | 3900     | 63.5×155           | 0.15 | 17.9                                    | ELXR401LGC392MDF5N |
|          | 3900     | 76×115             | 0.15 | 18.2                                    | ELXR401LGC392MEB5N |
|          | 4700     | 63.5×170           | 0.15 | 20.5                                    | ELXR401LGC472MDH0N |
|          | 4700     | 76×130             | 0.15 | 20.1                                    | ELXR401LGC472MED0N |
|          | 5600     | 76×155             | 0.15 | 23.8                                    | ELXR401LGC562MEF5N |
|          |          |                    |      |                                         |                    |
| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tanδ | Rated ripple current (Arms/105°C,120Hz) | Part No.           |
| 400      | 6800     | 76×170             | 0.15 | 27.3                                    | ELXR401LGC682MEH0N |
|          | 6800     | 89×155             | 0.15 | 26.6                                    | ELXR401LGC682MFF5N |
|          | 8200     | 89×170             | 0.15 | 30.5                                    | ELXR401LGC822MFH0N |
|          | 10000    | 100×190            | 0.15 | 34.5                                    | ELXR401LGC103MGK0N |
|          | 12000    | 100×220            | 0.15 | 40.2                                    | ELXR401LGC123MGN0N |
| 450      | 2200     | 63.5×115           | 0.15 | 11.8                                    | ELXR451LGC222MDB5N |
|          | 2700     | 63.5×130           | 0.15 | 13.7                                    | ELXR451LGC272MDD0N |
|          | 2700     | 76×115             | 0.15 | 14.5                                    | ELXR451LGC272MEB5N |
|          | 3300     | 63.5×155           | 0.15 | 16.5                                    | ELXR451LGC332MDF5N |
|          | 3300     | 76×130             | 0.15 | 16.9                                    | ELXR451LGC332MED0N |
|          | 3900     | 63.5×170           | 0.15 | 18.7                                    | ELXR451LGC392MDH0N |
|          | 4700     | 76×155             | 0.15 | 21.7                                    | ELXR451LGC472MEF5N |
|          | 5600     | 76×190             | 0.15 | 26.1                                    | ELXR451LGC562MEK0N |
|          | 5600     | 89×155             | 0.15 | 24.1                                    | ELXR451LGC562MFF5N |
|          | 6800     | 89×170             | 0.15 | 27.8                                    | ELXR451LGC682MFH0N |
|          | 8200     | 89×190             | 0.15 | 32.0                                    | ELXR451LGC822MFK0N |
|          | 10000    | 100×220            | 0.15 | 36.8                                    | ELXR451LGC103MGN0N |
|          | 12000    | 100×250            | 0.15 | 42.7                                    | ELXR451LGC123MGR0N |

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Frequency (Hz) | 120 | 300 | 1k  | 3k  |
|----------------|-----|-----|-----|-----|
| Coefficient    | 1.0 | 1.1 | 1.3 | 1.4 |

The endurance of capacitors is shorted with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the LXR series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.

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## PART NUMBERING SYSTEM

## Appendix (Global code)

## ◆Capacitance code

\* How to use the table

| 1st        | 2nd |
|------------|-----|
| Cap. Value |     |

Capacitance value part

| 2nd | 1st  |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|
|     | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
| 0   | 10.0 | 20.0 | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 |
| A   | 10.5 | 20.5 | 30.5 | 40.5 | 50.5 | 60.5 | 70.5 | 80.5 | 90.5 |
| 1   | 11.0 | 21.0 | 31.0 | 41.0 | 51.0 | 61.0 | 71.0 | 81.0 | 91.0 |
| B   | 11.5 | 21.5 | 31.5 | 41.5 | 51.5 | 61.5 | 71.5 | 81.5 | 91.5 |
| 2   | 12.0 | 22.0 | 32.0 | 42.0 | 52.0 | 62.0 | 72.0 | 82.0 | 92.0 |
| C   | 12.5 | 22.5 | 32.5 | 42.5 | 52.5 | 62.5 | 72.5 | 82.5 | 92.5 |
| 3   | 13.0 | 23.0 | 33.0 | 43.0 | 53.0 | 63.0 | 73.0 | 83.0 | 93.0 |
| D   | 13.5 | 23.5 | 33.5 | 43.5 | 53.5 | 63.5 | 73.5 | 83.5 | 93.5 |
| 4   | 14.0 | 24.0 | 34.0 | 44.0 | 54.0 | 64.0 | 74.0 | 84.0 | 94.0 |
| E   | 14.5 | 24.5 | 34.5 | 44.5 | 54.5 | 64.5 | 74.5 | 84.5 | 94.5 |
| 5   | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 85.0 | 95.0 |
| F   | 15.5 | 25.5 | 35.5 | 45.5 | 55.5 | 65.5 | 75.5 | 85.5 | 95.5 |
| 6   | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 86.0 | 96.0 |
| G   | 16.5 | 26.5 | 36.5 | 46.5 | 56.5 | 66.5 | 76.5 | 86.5 | 96.5 |
| 7   | 17.0 | 27.0 | 37.0 | 47.0 | 57.0 | 67.0 | 77.0 | 87.0 | 97.0 |
| H   | 17.5 | 27.5 | 37.5 | 47.5 | 57.5 | 67.5 | 77.5 | 87.5 | 97.5 |
| 8   | 18.0 | 28.0 | 38.0 | 48.0 | 58.0 | 68.0 | 78.0 | 88.0 | 98.0 |
| J   | 18.5 | 28.5 | 38.5 | 48.5 | 58.5 | 68.5 | 78.5 | 88.5 | 98.5 |
| 9   | 19.0 | 29.0 | 39.0 | 49.0 | 59.0 | 69.0 | 79.0 | 89.0 | 99.0 |
| K   | 19.5 | 29.5 | 39.5 | 49.5 | 59.5 | 69.5 | 79.5 | 89.5 | 99.5 |



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For less than 10 $\mu$ F, a decimal point position is displayed with R.For 10 $\mu$ F or more, capacitance code is set to the first 2 digits and index (1digit).

Treatment of fraction (Refer to the table)

Example of conversion

| Real cap.        | The first 2 digits | Treatment of fraction | Code |      |      |
|------------------|--------------------|-----------------------|------|------|------|
|                  |                    |                       | 11th | 12th | 13th |
| 10.0 $\mu$ F →   | 10.0 →             | 10.0 →                | 1    | 0    | 0    |
| 10.1 $\mu$ F →   | 10.1 →             | 10.0 →                | 1    | 0    | 0    |
| 10.2 $\mu$ F →   | 10.2 →             | 10.0 →                | 1    | 0    | 0    |
| 10.3 $\mu$ F →   | 10.3 →             | 10.5 →                | 1    | A    | 0    |
| 10.4 $\mu$ F →   | 10.4 →             | 10.5 →                | 1    | A    | 0    |
| 10.5 $\mu$ F →   | 10.5 →             | 10.5 →                | 1    | A    | 0    |
| 10.6 $\mu$ F →   | 10.6 →             | 10.5 →                | 1    | A    | 0    |
| 10.7 $\mu$ F →   | 10.7 →             | 10.5 →                | 1    | A    | 0    |
| 10.8 $\mu$ F →   | 10.8 →             | 11.0 →                | 1    | 1    | 0    |
| 10.9 $\mu$ F →   | 10.9 →             | 11.0 →                | 1    | 1    | 0    |
| 11.0 $\mu$ F →   | 11.0 →             | 11.0 →                | 1    | 1    | 0    |
| 132 $\mu$ F →    | 13.2 →             | 13.0 →                | 1    | 3    | 1    |
| 133 $\mu$ F →    | 13.3 →             | 13.5 →                | 1    | D    | 1    |
| 167 $\mu$ F →    | 16.7 →             | 16.5 →                | 1    | G    | 1    |
| 168 $\mu$ F →    | 16.8 →             | 17.0 →                | 1    | 7    | 1    |
| 1110 $\mu$ F →   | 11.1 →             | 11.0 →                | 1    | 1    | 2    |
| 1340 $\mu$ F →   | 13.4 →             | 13.5 →                | 1    | D    | 2    |
| 13200 $\mu$ F →  | 13.2 →             | 13.0 →                | 1    | 3    | 3    |
| 13600 $\mu$ F →  | 13.6 →             | 13.5 →                | 1    | D    | 3    |
| 270000 $\mu$ F → | 27.0 →             | 27.0 →                | 2    | 7    | 4    |

## ◆Case length (Radial lead type)

\* How to use the table

| 16th             | 17th |
|------------------|------|
| Case length (mm) |      |

① Only integer : Code is written by the original value. (7L : 07)

② There is below a decimal point (Under 10L) (5.2L : 5C)

|      |   | 16th |     |     |     |     |     |     |     |     |     |
|------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      |   | 0    | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
| 17th | A | 0.0  | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 |
|      | B | 0.1  | 1.1 | 2.1 | 3.1 | 4.1 | 5.1 | 6.1 | 7.1 | 8.1 | 9.1 |
|      | C | 0.2  | 1.2 | 2.2 | 3.2 | 4.2 | 5.2 | 6.2 | 7.2 | 8.2 | 9.2 |
|      | D | 0.3  | 1.3 | 2.3 | 3.3 | 4.3 | 5.3 | 6.3 | 7.3 | 8.3 | 9.3 |
|      | E | 0.4  | 1.4 | 2.4 | 3.4 | 4.4 | 5.4 | 6.4 | 7.4 | 8.4 | 9.4 |
|      | F | 0.5  | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.5 | 9.5 |
|      | G | 0.6  | 1.6 | 2.6 | 3.6 | 4.6 | 5.6 | 6.6 | 7.6 | 8.6 | 9.6 |
|      | H | 0.7  | 1.7 | 2.7 | 3.7 | 4.7 | 5.7 | 6.7 | 7.7 | 8.7 | 9.7 |
|      | J | 0.8  | 1.8 | 2.8 | 3.8 | 4.8 | 5.8 | 6.8 | 7.8 | 8.8 | 9.8 |
|      | K | 0.9  | 1.9 | 2.9 | 3.9 | 4.9 | 5.9 | 6.9 | 7.9 | 8.9 | 9.9 |

③ There is below a decimal point (10L and more, Under 20L) (11.5L : B5)

|      |   | 16th |      |      |      |      |      |      |      |      |      |
|------|---|------|------|------|------|------|------|------|------|------|------|
|      |   | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    |
| 17th | 0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 |
|      | 1 | 10.1 | 11.1 | 12.1 | 13.1 | 14.1 | 15.1 | 16.1 | 17.1 | 18.1 | 19.1 |
|      | 2 | 10.2 | 11.2 | 12.2 | 13.2 | 14.2 | 15.2 | 16.2 | 17.2 | 18.2 | 19.2 |
|      | 3 | 10.3 | 11.3 | 12.3 | 13.3 | 14.3 | 15.3 | 16.3 | 17.3 | 18.3 | 19.3 |
|      | 4 | 10.4 | 11.4 | 12.4 | 13.4 | 14.4 | 15.4 | 16.4 | 17.4 | 18.4 | 19.4 |
|      | 5 | 10.5 | 11.5 | 12.5 | 13.5 | 14.5 | 15.5 | 16.5 | 17.5 | 18.5 | 19.5 |
|      | 6 | 10.6 | 11.6 | 12.6 | 13.6 | 14.6 | 15.6 | 16.6 | 17.6 | 18.6 | 19.6 |
|      | 7 | 10.7 | 11.7 | 12.7 | 13.7 | 14.7 | 15.7 | 16.7 | 17.7 | 18.7 | 19.7 |
|      | 8 | 10.8 | 11.8 | 12.8 | 13.8 | 14.8 | 15.8 | 16.8 | 17.8 | 18.8 | 19.8 |
|      | 9 | 10.9 | 11.9 | 12.9 | 13.9 | 14.9 | 15.9 | 16.9 | 17.9 | 18.9 | 19.9 |

④ There is below a decimal point (20L and more) (31.5L : N3)

|      |   | 16th |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|      |   | L    | M    | N    | P    | Q    | R    | S    | T    | U    | V    | W    | X    | Y    | Z    |          |
| 17th | 0 | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 | ← Nonuse |
|      | 1 | 20.5 | 25.5 | 30.5 | 35.5 | 40.5 | 45.5 | 50.5 | 55.5 | 60.5 | 65.5 | 70.5 | 75.5 | 80.5 | 85.5 |          |
|      | 2 | 21.0 | 26.0 | 31.0 | 36.0 | 41.0 | 46.0 | 51.0 | 56.0 | 61.0 | 66.0 | 71.0 | 76.0 | 81.0 | 86.0 |          |
|      | 3 | 21.5 | 26.5 | 31.5 | 36.5 | 41.5 | 46.5 | 51.5 | 56.5 | 61.5 | 66.5 | 71.5 | 76.5 | 81.5 | 86.5 |          |
|      | 4 | 22.0 | 27.0 | 32.0 | 37.0 | 42.0 | 47.0 | 52.0 | 57.0 | 62.0 | 67.0 | 72.0 | 77.0 | 82.0 | 87.0 |          |
|      | 5 | 22.5 | 27.5 | 32.5 | 37.5 | 42.5 | 47.5 | 52.5 | 57.5 | 62.5 | 67.5 | 72.5 | 77.5 | 82.5 | 87.5 |          |
|      | 6 | 23.0 | 28.0 | 33.0 | 38.0 | 43.0 | 48.0 | 53.0 | 58.0 | 63.0 | 68.0 | 73.0 | 78.0 | 83.0 | 88.0 |          |
|      | 7 | 23.5 | 28.5 | 33.5 | 38.5 | 43.5 | 48.5 | 53.5 | 58.5 | 63.5 | 68.5 | 73.5 | 78.5 | 83.5 | 88.5 |          |
|      | 8 | 24.0 | 29.0 | 34.0 | 39.0 | 44.0 | 49.0 | 54.0 | 59.0 | 64.0 | 69.0 | 74.0 | 79.0 | 84.0 | 89.0 |          |
|      | 9 | 24.5 | 29.5 | 34.5 | 39.5 | 44.5 | 49.5 | 54.5 | 59.5 | 64.5 | 69.5 | 74.5 | 79.5 | 84.5 | 89.5 |          |



## PART NUMBERING SYSTEM

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### ◆Case length (Snap-in type / Screw mount terminal type)

\* How to use the table

|      | 16th             |
|------|------------------|
| 17th | Case length (mm) |

115L : B5

|      |   | 16th |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|---|------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      |   | 2    | 3  | 4  | 5  | 6  | 7  | 8  | 9  | A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M   | N   | P   | Q   | R   |
| 17th | 0 | 20   | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 |
|      | 1 | 21   | 31 | 41 | 51 | 61 | 71 | 81 | 91 | 101 | 111 | 121 | 131 | 141 | 151 | 161 | 171 | 181 | 191 | 201 | 211 | 221 | 231 | 241 | 251 |
|      | 2 | 22   | 32 | 42 | 52 | 62 | 72 | 82 | 92 | 102 | 112 | 122 | 132 | 142 | 152 | 162 | 172 | 182 | 192 | 202 | 212 | 222 | 232 | 242 | 252 |
|      | 3 | 23   | 33 | 43 | 53 | 63 | 73 | 83 | 93 | 103 | 113 | 123 | 133 | 143 | 153 | 163 | 173 | 183 | 193 | 203 | 213 | 223 | 233 | 243 | 253 |
|      | 4 | 24   | 34 | 44 | 54 | 64 | 74 | 84 | 94 | 104 | 114 | 124 | 134 | 144 | 154 | 164 | 174 | 184 | 194 | 204 | 214 | 224 | 234 | 244 | 254 |
|      | 5 | 25   | 35 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 | 185 | 195 | 205 | 215 | 225 | 235 | 245 | 255 |
|      | 6 | 26   | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 106 | 116 | 126 | 136 | 146 | 156 | 166 | 176 | 186 | 196 | 206 | 216 | 226 | 236 | 246 | 256 |
|      | 7 | 27   | 37 | 47 | 57 | 67 | 77 | 87 | 97 | 107 | 117 | 127 | 137 | 147 | 157 | 167 | 177 | 187 | 197 | 207 | 217 | 227 | 237 | 247 | 257 |
|      | 8 | 28   | 38 | 48 | 58 | 68 | 78 | 88 | 98 | 108 | 118 | 128 | 138 | 148 | 158 | 168 | 178 | 188 | 198 | 208 | 218 | 228 | 238 | 248 | 258 |
|      | 9 | 29   | 39 | 49 | 59 | 69 | 79 | 89 | 99 | 109 | 119 | 129 | 139 | 149 | 159 | 169 | 179 | 189 | 199 | 209 | 219 | 229 | 239 | 249 | 259 |

### ◆Supplement code

#### Surface mount type / Conductive polymer (Include Radial lead type)

|              | Terminal plating material (Radial lead type) |       |       |
|--------------|----------------------------------------------|-------|-------|
|              | Sn100%                                       | Sn-Bi | Sn-Pb |
| Coating case | S                                            | G     | N     |

#### Radial lead type / Snap-in type

|              |              | Terminal plating material (Radial lead type) |       |       |
|--------------|--------------|----------------------------------------------|-------|-------|
|              |              | Sn100%                                       | Sn-Bi | Sn-Pb |
| Outer sleeve | PET          | S                                            | D     | C     |
|              | Coating case | H                                            | G     | F     |
|              | Polyolefin   | L                                            | —     | —     |
|              | Pb-free PVC  | M                                            | —     | N     |
|              | PVC          | B                                            | A     | N     |

\* Pb-free snap-in type does not have top disk.

We also produce Pb-free snap-in type with "Top disk, Pb-free PVC sleeve and Sn100% terminal plating".

In this case, supplement code (the 18th digit) becomes "T".

#### Screw mount terminal type

|            | Screw terminal |
|------------|----------------|
| PVC        | N              |
| Polyolefin | S              |
| PET        | C              |