

# BS-102 Ultra-Miniature Relay

勝特力材料 886-8-5753170  
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)

## FEATURES 特點

·SPDT(1 Form C) suitable for medium current rating at 2 Amps

觸點形式為一組轉換，電流容量為 2A

·Small size(15.5×10.5×10.9mm)

體積極小 (15.5×10.5×10.9mm)

·Power consumption of standard type 360mW and high

sensitivity type 200mW

線圈靈敏度有標準型 360mW 和高靈敏度 200mW

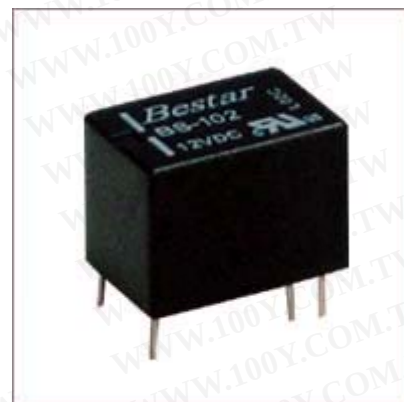
·DIL terminal

·Application : OA equipment, Security alarm system

應用於辦公自動化設備,防盜報警系統等.

·UL File No.E147052

·CSA 認證號 LR 76479-1



## COIL RATING(at 20°C) 線圈參數

| Model No.<br>型號 | Nominal Voltage<br>(VDC)<br>額定電壓 | Coil Resistance<br>( $\Omega \pm 10\%$ )<br>線圈電阻 | Nominal<br>Current (mA)<br>耗電流 | Pick-Up Voltage<br>(VDC)<br>吸合電壓 | Drop-Out Voltage<br>(VDC)<br>釋放電壓 | Power(mW)<br>Consumption<br>線圈功率 |
|-----------------|----------------------------------|--------------------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| BS-102          | 3                                | 25                                               | 120                            | 2.25                             | 0.3                               | 360                              |
|                 | 5                                | 70                                               | 72                             | 3.75                             | 0.5                               |                                  |
|                 | 6                                | 100                                              | 60                             | 4.50                             | 0.6                               |                                  |
|                 | 9                                | 220                                              | 40                             | 6.75                             | 0.9                               |                                  |
|                 | 12                               | 400                                              | 30                             | 9.00                             | 1.2                               |                                  |
|                 | 24                               | 1600                                             | 15                             | 18.00                            | 2.4                               |                                  |
| BS-102B         | 3                                | 45                                               | 66.7                           | 2.25                             | 0.3                               | 200                              |
|                 | 5                                | 120                                              | 41.7                           | 3.75                             | 0.5                               |                                  |
|                 | 6                                | 180                                              | 33.3                           | 4.50                             | 0.6                               |                                  |
|                 | 9                                | 400                                              | 22.5                           | 6.75                             | 0.9                               |                                  |
|                 | 12                               | 700                                              | 17.1                           | 9.00                             | 1.2                               |                                  |
|                 | 24                               | 2800                                             | 8.6                            | 18.00                            | 2.4                               |                                  |

## ORDERING INFORMATION 訂貨編號

**BS-102 B S-12VDC**

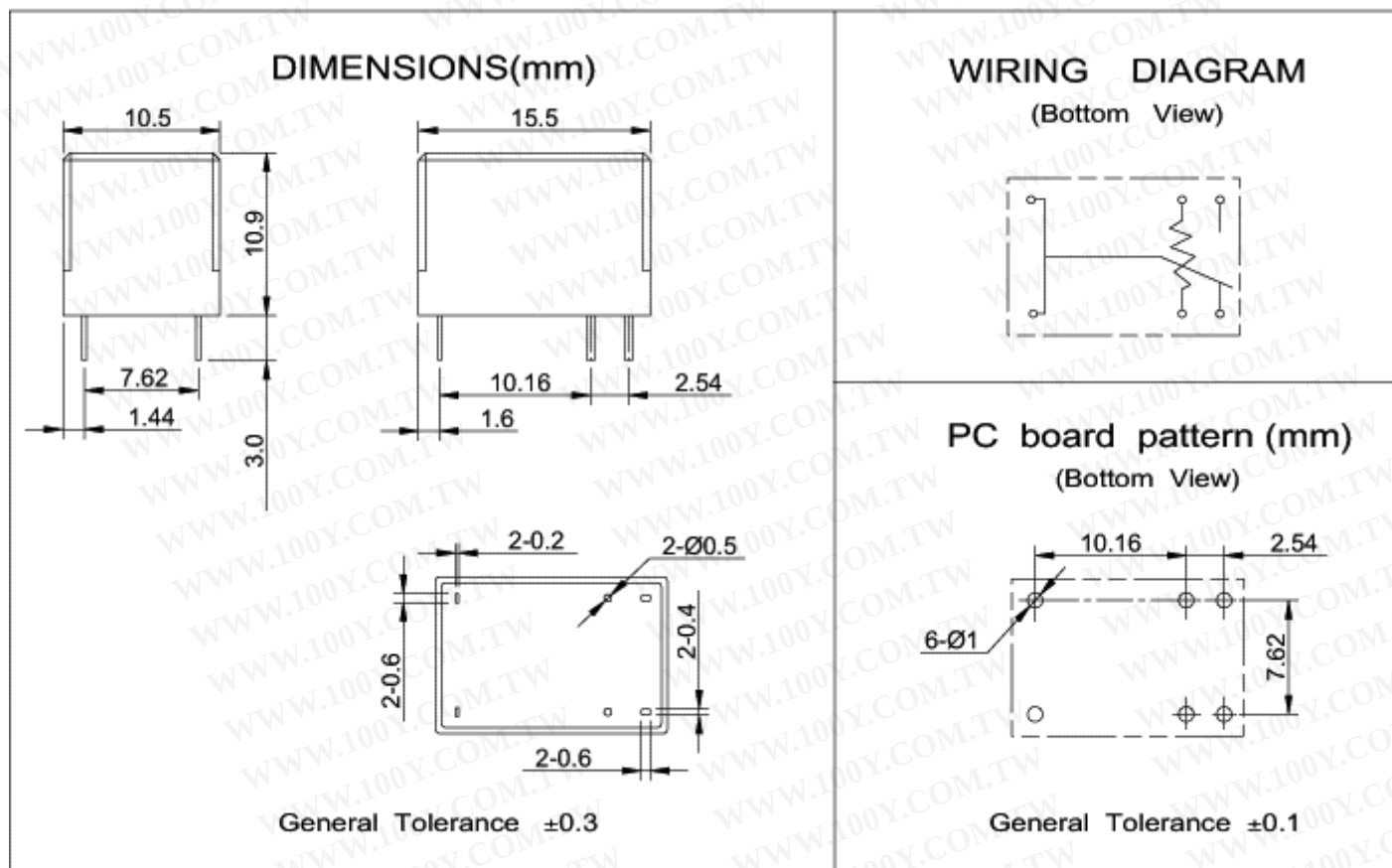


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| Coil Sensitivity 線圈靈敏度                  | Protection 封裝方式     | Coil Voltage 線圈電壓                |
|-----------------------------------------|---------------------|----------------------------------|
| Nil:standard360mW<br>標準型 360 毫瓦         | Nil: Flux Free 非密封型 | See Coil Rating<br>參見 " 線圈參數 " 表 |
| B:High Sensitivity 200mW<br>高靈敏度 200 毫瓦 | S: Sealed 密封型       |                                  |

## SPECIFICATIONS 規格表

| Model No. 型號                                               | BS-102                                       | BS-102B     |
|------------------------------------------------------------|----------------------------------------------|-------------|
| Contact Arrangement 觸點形式                                   | 1 Form C                                     |             |
| Contact Material 觸點材質                                      | AgAlloy                                      |             |
| Contact Rating(at Resistive Load)<br>觸點負載 (阻性負載)           | 2A 24VDC<br>2A 120VAC                        |             |
| Max.Switching Voltage 最大開關電壓                               | 240VAC,60VDC                                 |             |
| Max.Switching Current 最大開關電流                               | 2A                                           |             |
| Min.Switching Load 最小開關負載                                  | 100mA 5VDC                                   |             |
| Contact Resistance 接觸電阻                                    | Max. 100m Ω (initial)                        |             |
| Insulation Resistance 絕緣電阻                                 | Min. 100M Ω at 500VDC                        |             |
| Dielectric Strength 介質耐壓<br>Between Coil & Contact 線圈與觸點之間 | 700VAC(1 minute)                             |             |
| Between Contacts 觸點組之間                                     | 700VAC(1 minute)                             |             |
| Surge Strength 浪涌電壓                                        | 1000V                                        |             |
| Operate Time 動作時間                                          | Max.7mSec.                                   | Max.10mSec. |
| Release Time 釋放時間                                          | Max.6mSec.                                   |             |
| Ambient Temperature 環境溫度                                   | -25 ℃ ~+50 ℃                                 |             |
| Vibration Resistance(Endurance) 振動                         | 1.5mm D.A. 10-55HZ                           |             |
| Shock Resistance 沖擊                                        | Min. 10G Unerror                             |             |
| Mechanical Life 機械壽命                                       | 1×10 <sup>7</sup> operations (at no load)    |             |
| Electrical Life 電氣壽命                                       | 1×10 <sup>5</sup> operations (at rated load) |             |
| Weight 重量                                                  | Approx.3.5g                                  |             |



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