

MP SERIES

ORDER CODE

MP-5-S-L

D: Single Side Stable
L1: Coil Latching
L2: Coil Latching

D: DIP
S: SMD

COIL VOLTAGE

03: DC 3V
05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
24: DC 24V

TYPE

Main Features:

- Ultra small size and high sensitivity type.
- Conforms to 1500V FCC Part 68 and Dielectric 100VAC.
- Surface mount Type with "L" shaped terminals and "DIL" pitch terminals.
- Single Side stable, one Coil latching and two Coil latching are available.

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

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

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COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω) (+/- 10%)	POWER CONSUMPTION (W)	NOMINAL CURRENT (mA) (+/- 10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)	OPERATE TIME (ms)	RELEASE / RESET TIME (ms)
3V	64.3 Ω	0.14W	46.7 mA	2.25V	0.3V	4.5V	2 msec Max.	1 msec Max.
5V	178.0 Ω		28.1 mA	3.75V	0.5V	7.5V		
6V	257.0 Ω		23.3 mA	4.50V	0.6V	9.0V		
9V	579.0 Ω		15.5 mA	6.75V	0.9V	13.5V		
12V	1028.0 Ω		11.7 mA	9.00V	1.2V	18.0V		
24V	2880.0 Ω	0.20W	8.3 mA	18.00V	2.4V	36.0V		
1 Coil Latching Reset(Max)								Reset
3V	90.0 Ω	0.10W	33.3 mA	2.25V	- 2.25V	4.5V	2 msec Max.	2 msec Max.
5V	250.0 Ω		20.0 mA	3.75V	- 3.75V	7.5V		
6V	360.0 Ω		16.7 mA	4.50V	- 4.50 V	9.0V		
9V	810.0 Ω		11.1 mA	6.75V	- 6.75 V	13.5V		
12V	1440.0 Ω		8.3 mA	9.00V	- 9.00V	18.0V		
24V	3840.0 Ω	0.15W	6.3 mA	18.00V	- 18.00V	36.0V		
2 Coil Latching Reset(Max)								Reset
3V	45.0/45.0 Ω	0.20W	66.7 mA	2.25V	- 2.25V	4.5V	2 msec Max.	2 msec Max.
5V	125.0/125.0 Ω		40.0 mA	3.75V	- 3.75V	7.5V		
6V	180.0/180.0 Ω		33.3 mA	4.50V	- 4.50 V	9.0V		
9V	405.0/405.0 Ω		22.2 mA	6.75V	- 6.75 V	13.5V		
12V	720.0/720.0 Ω		16.7 mA	9.00V	- 9.00V	18.0V		
24V	1290.0/1290.0 Ω	0.30W	12.5 mA	18.00V	- 18.00V	28.0V		

PERFORMANCE (at initial value)

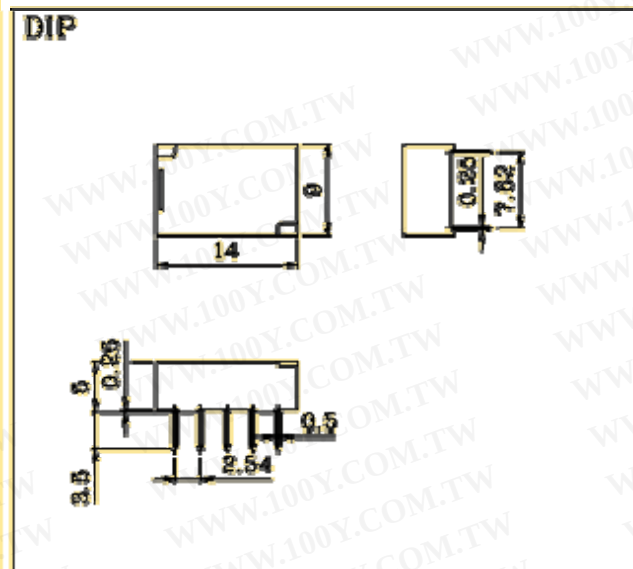
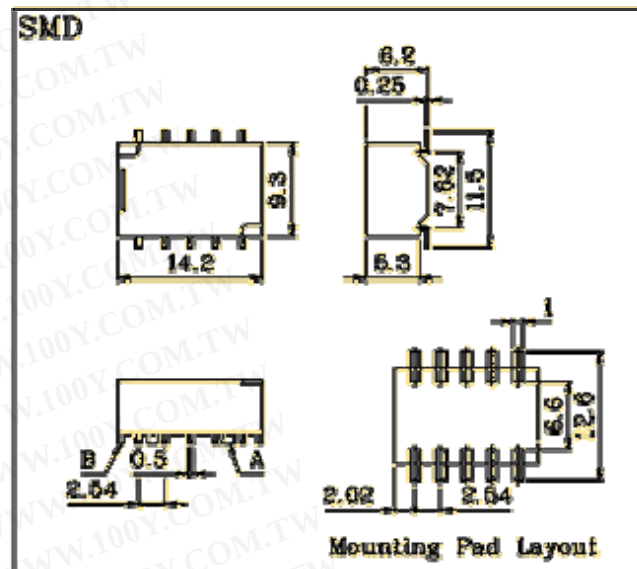
Item	Type	2C
Contact Resistance		50mΩ Max. (initial value)
Dielectric Strength	between coil & contact between contact	AC 1000V (1min), 1500V FCC68 AC 1000V (1min), 1500V FCC68
Insulation Resistance		1000MΩ Min.(DC 500V)
Operating Ambient Temperature		-40°C ~ +70°C
Humidity		35 to 85% RH
Vibration Resistance		10G (10~55Hz) (Dual amplitude: 1.5mm)
Shock Resistance		10G
Life Expectancy	Mechanically Electrically	100,000,000 ops. Min. (1800 ops./h) 200,000 ops. Min. (1A 30VDC resistive load 1200 ops./h) 100,000 ops. Min. (0.5A 125VDC resistive load 1200 ops./h)
Weight		1.5g (about)

CONTACT RATING

Item	Type	2C
Rated Carrying Current		DC 30V 1A AC 125V 0.5A
Max. Allowable Current		1A
Max. Switching Power		30W, 62.5VA
Max. Switching Voltage		DC 220V AC 250V
Max. Switching Current		1A
Contact Material		Ag Alloy

DIMENSIONS (Unit : mm)

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WIRING DIAGRAMS (Bottom View)

