

MD SERIES

ORDER CODE

MD-5-M

□ Plastic Cover
 M: Metallic Cover

COIL VOLTAGE — 5: DC 5V
 12: DC 12V

TYPE



Main Features:

- SIP Reed Relay.
- Plastic and Metals all available.
- Completely washable.
- Surge strength 1,500 VDC (between coil & contact).
- Provide high speed, miniature and cost effective switching solution.

COIL RATING (at 20°C)

Nominal Voltage (VDC)	Coil resistance (Ω) (+-10%)	Power Consumpt -10 N (W)	Nominal Current (mA)(+-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
5V	500Ω	0.5W	10mA	3.75V	0.8V	15V
12V	1000Ω	0.144W	12mA	8.6V	0.6V	30V

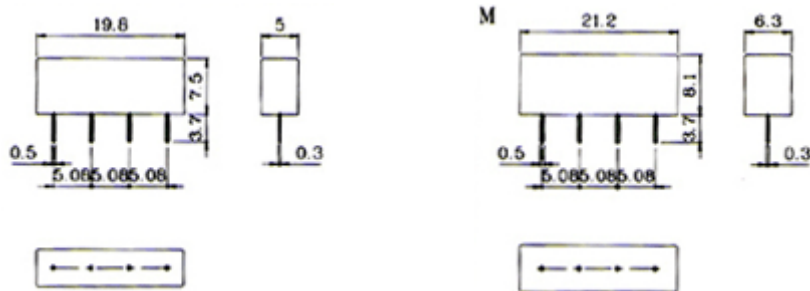
PERFORMANCE (at initial value)

Item \ Type	0.5A
Contact Resistance	150mΩ Max (initial)
Operate Time	0.5m sec Max.
Release Time	0.1m sec Max.
Dielectric Strength between coil & contact between contact	DC 1500V (1min.) DC 250V (1min.)
Insulation Resistance	10000MΩ Min. (DC100V)
Operating Ambient Temperature	-40°C ~ +85°C
Humidity	Max. 85% RH
Vibration Resistance	10G (10~2000Hz)
Shock Resistance	10G
Life Expectancy Mechanically Electrically	100,000,000 ops . Min. (1800 ops./h) 100,000 ops. Min. (0.5A 20VDC, 0.1A 100VDC, 0.5A 20VAC, 0.1A 100VAC, resistive load 1200 ops./h) 50,000,000 ops . Min (5VDC, 10mA, resistive load 1200 ops/h)
Weight	2g (about)

CONTACT RATING

Item \ Type	0.5A
Rated Carrying Current	DC 20V 0.5A AC 20V 0.5A DC 100V 0.1A AC 100V 0.1A
Max. Allowable Current	1A
Max. Allowable Voltage	DC 100V AC 100V
Max. Current (continual)	0.5A
Max. Switching Power	10W, 10VA
Max. Switching Voltage	DC 200V
Max. Switching Current	0.5A
Contact Material	Ruthenium

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)

