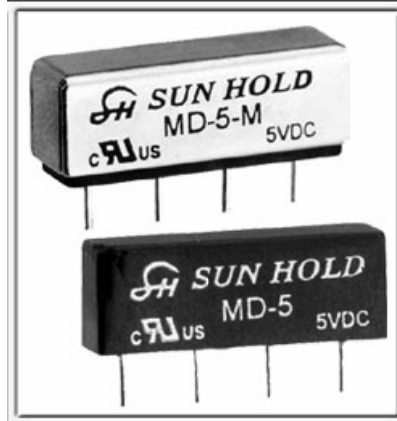
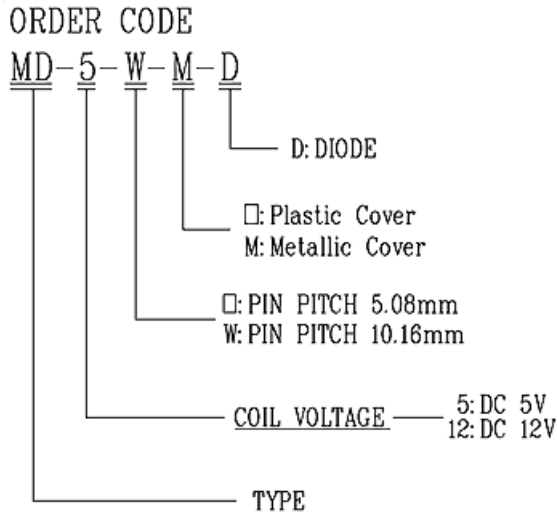




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## MD SERIES



- 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.80=

### 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)
5V	500 Ω	0.5W	10 mA	3.75V	0.8V	15V
12V	1000 Ω	0.144W	12 mA	8.6V	0.6V	30V

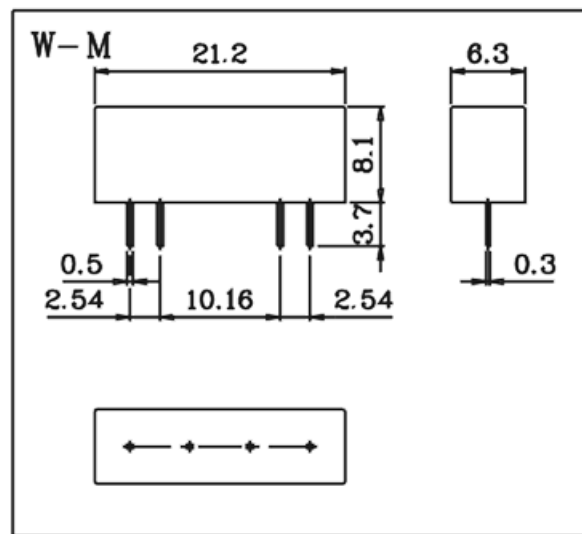
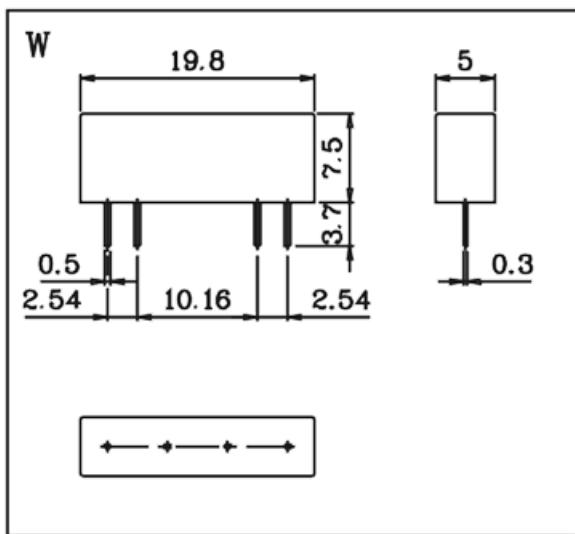
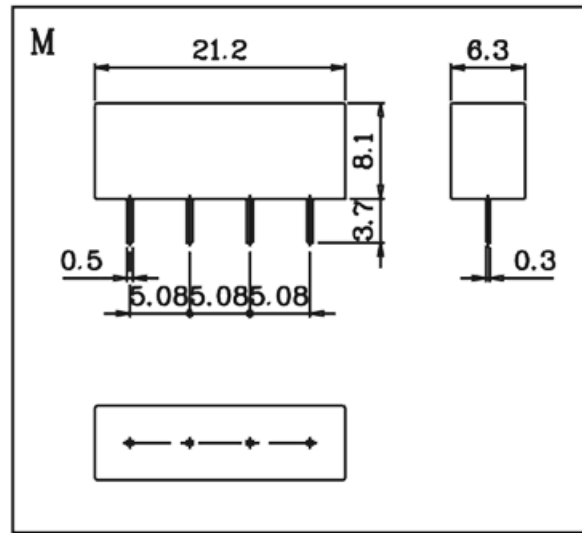
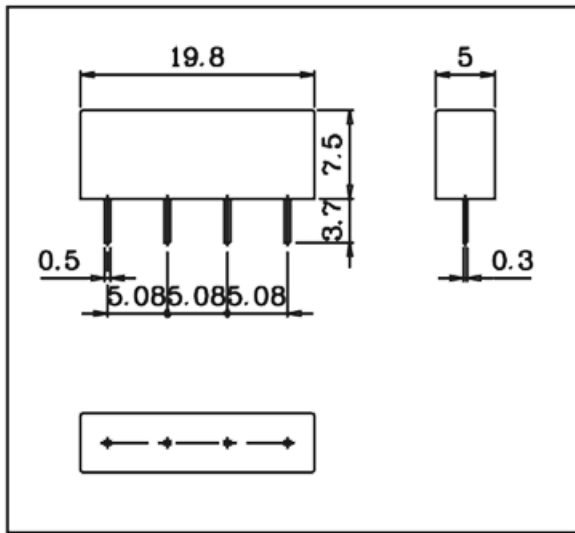
### PERFORMANCE (at initial value)

Item	Type	0.5A
Contact Resistance		150m $\Omega$ Max. (initial value)
Operate Time		0.5msec Max.
Release Time		0.1msec Max.
Dielectric Strength		AC 1500V (1min) AC 250V (1min)
between coil & contact between contact		
Insulation Resistance		100M $\Omega$ Min.(DC 500V)
Operating Ambient Temperature		-40°C ~ +85°C
Humidity		35 to 85% RH
Vibration Resistance		10G (10~55Hz) (Dual amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy		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)
Mechanically Electrically		
Weight		2g (about)

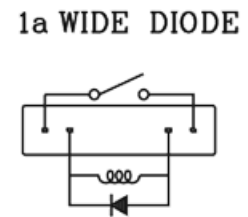
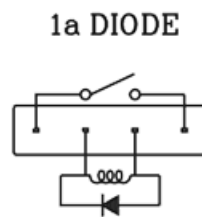
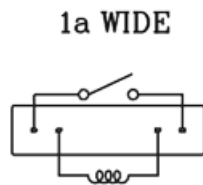
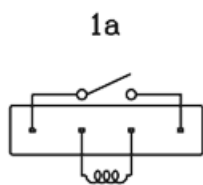
### CONTACT RATING

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)**



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