

RAM SERIES

ORDER CODE

RAM-12

COIL VOLTAGE

TYPE

06: DC 6V
09: DC 9V
10: DC 10V
12: DC 12V
24: DC 24V



Main Features:

- Automotive Relay.
- Contact rating up to 20amps
- Size: 15.40x 12.10x 13.70
- High Performance and Low profile.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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)
6V	60 Ω	0.6W	100.0 mA	75 % MAX.	10 % MIN.	110 %
9V	135 Ω		66.7 mA			
10V	180 Ω		55.6 mA			
12V	240 Ω		50.0 mA			
24V	960 Ω		25.0 mA			

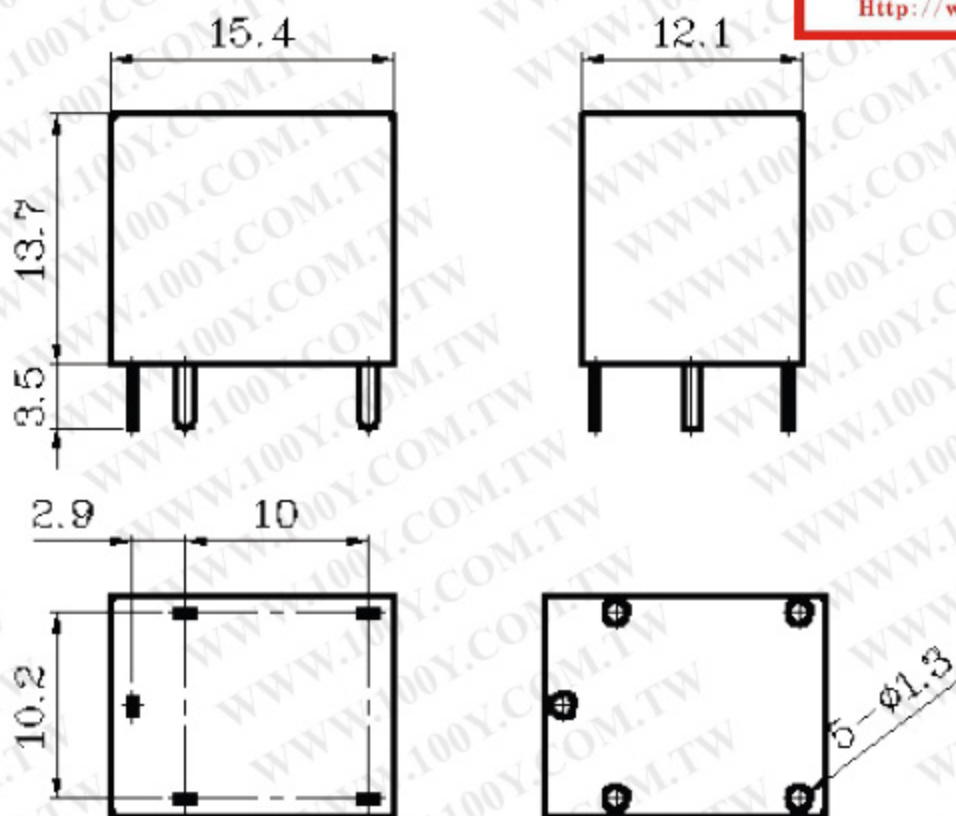
Item	Type	20A
Contact Resistance		100m Ω Max. (initial)
Operate Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength	between coil & contact between contact	AC 1000V (00/60Hz 1min) AC 500V (50/60Hz 1min)
Insulation Resistance		100M Ω Min.(DC 500V)
Operating Ambient Temperature		-30°C ~ +85°C (No freezing)
Vibration Resistance		Operating Extremes : 10~55Hz, Amplitude : 1.0mm Damage Limits : 10~55Hz, Amplitude : 1.0mm
Shock Resistance		Operating Extremes : 10G Damage Limits : 100G
Life Expectancy		10,000,000 ops. Min. (1800 ops./h)
Mechanically Electrically		DC14V-20A motol lock 200,000 Operations minimum DC14V-20A motol free 400,000 Operations minimum 100,000 ops. Min. (1200 ops./h)
Weight		10g (about)

CONTACT RATING

Item	Type	20A
Rated Carrying Current		DC 14V 20A
Max. Allowable Current		25A
Max. Allowable Voltage		DC 18V
Max. Current (continual)		20A
Min. Load		DC 10V 10mA
Contact Material		Ag alloy

DIMENSIONS (Unit : mm)

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PCB LAYOUT

WIRING DIAGRAMS (Bottom View)

1c

