SUN HOLD

RAS SERIES

ORDER CODE

RAS-12-10-A

- TYPE
- COIL VOLTAGE
  - 03: DC 3V
  - 05: DC 5V
  - 06: DC 6V
  - 09: DC 9V
  - 12: DC 12V
  - 18: DC 18V
  - 24: DC 24V
  - 36: DC 36V
  - 48: DC 48V
- 10: 10A
  15: 15A
  20: 20A(M type)
- □: 1c
  A: 1a
  B: 1b
  M: Automobile Relay

Main Features:

- UL, CUR & TUV safety approval.
- Heavy current up to 15 amps available, and special 20amps for using on the car.
- Epoxy seal type and flux free.
- Satisfying all requirements for use in car and household electric appliances.

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)
3V	25Ω	0.36W	120mA	75% MAX.	10% MIN.	130%
5V	69Ω		72mA			
6V	100Ω		60mA			
9V	225Ω		40mA			
12V	400Ω		30mA			
18V	900Ω		20mA			
24V	1600Ω		15mA			
36V	3600Ω		10mA			
48V	4500Ω	0.51W	10.6mA			
12V (M type)	225Ω	0.64W	53.3mA	65%	8%	110%

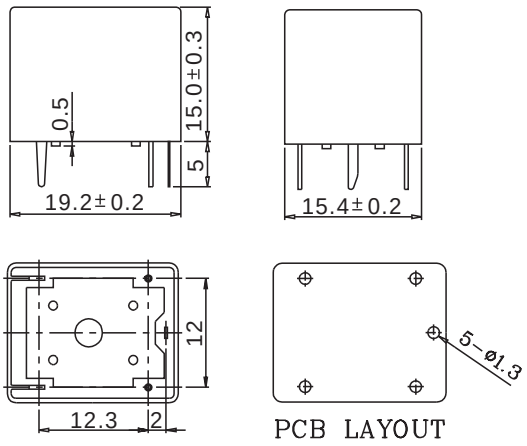
PERFORMANCE (at initial value)

Item \ Type	10A	15A	20A
Contact Resistance	50mΩ Max. (initial value)		
Operate Time	10msec Max.		
Release Time	5msec Max.		
Dielectric Strength between coil & contact between contact	 AC1500V (1min) AC750V (1min)		
Insulation Resistance	100MΩ Min.(DC500V)		
Operating Ambient Temperature	−30°C ~ +80°C		
Humidity	35 to 85% RH		
Vibration Resistance	10G (10~55Hz)(Dual amplitude:1.5mm)		
Shock Resistance	10G		
Life Expectancy Mechanically Electrically	 10,000,000 ops. Min.(1800 ops./h) 100,000 ops. Min.(1200 ops./h)		
Weight	9.5g(about)		

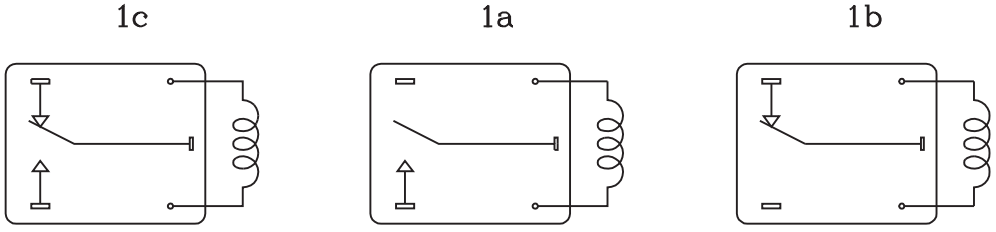
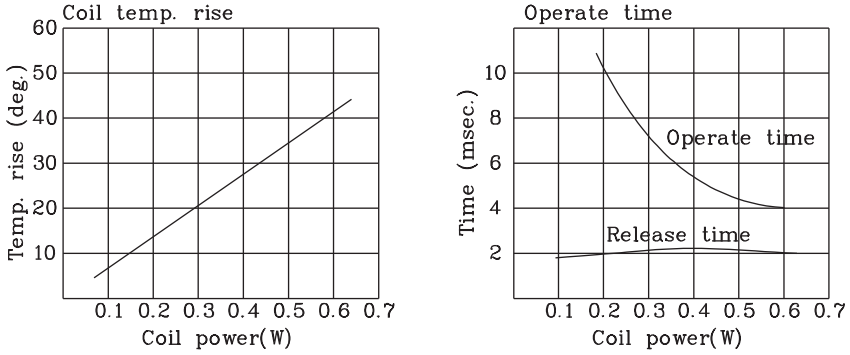
CONTACT RATING

Item \ Type	10A	15A	20A
Rated Carrying Current	AC120V 10A AC250V 7A DC24V 10A	AC125V 15A AC250V 10A DC24V 15A	DC14V 20A DC30V 15A AC120V 15A
Max. Allowable Current	15A	20A	20A
Max. Allowable Voltage	AC 240V DC 110V		
Max. Current (continual)	10A	15A	20A
Contact Material	Ag alloy		

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)



REFERENCE DATA