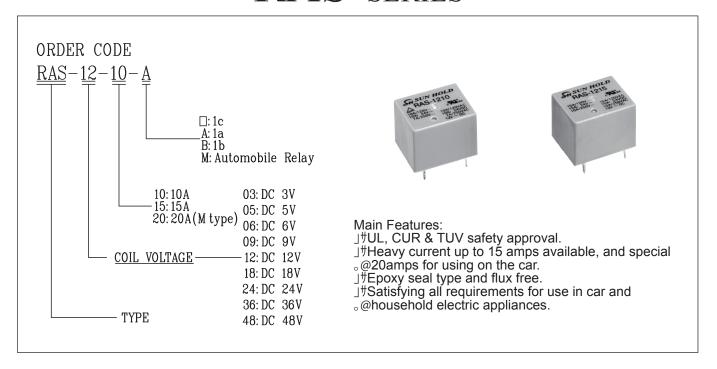


# RAS SERIES



#### COIL RATING (at 20°c)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (n)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
3V	25 <b>n</b>	1011(11)	120mA	(100)	(120)	(100)
5 V	69 ₽		72mA			
6V	100 Ω	0.36W	60mA	75% MAX.	10% MIN.	130%
9V	225 <b>0</b>		40mA			
12V	400⋒		30mA			
18V	900 🛭		20mA			
24V	1600 Ω		15mA			
36V	3600₽		10mA			
48V	4500⋒	0.51W	10.6mA			
12V (M type)	225 <b>n</b>	0.64W	53.3mA	65%	8%	110%

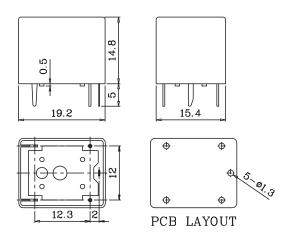
#### PERFORMANCE (at initial value)

Type	10A	15A	20A		
Contact Resistance	50m <b>n</b> Max. (initial value)				
Operate Time	10msec Max.				
Release Time	5msec Max.				
Dielectric Strength					
between coil & contact	AC1500V (1min)				
between contact	AC750V (Ìmin)				
Insulation Resistance	100M\(\Omega\) 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	10,000,000 ops. Min.(1800 ops./h)				
Electrically	10,000,000 ops. Min.(1800 ops./h) 100,000 ops. Min.(1200 ops./h)				
Weight	9.5g(about)				

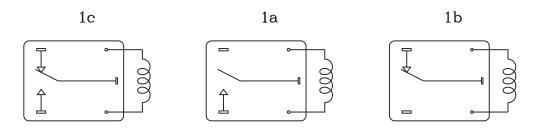
#### CONTACT RATING

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

### DIMENSIONS(Unit: mm)



## WIRING DIAGRAMS (Bottom View)



#### REFERENCE DATA

