



- Automobile Relays with high switching power.
- SARG are capable of switching 14VDC 20A.
- Low cost and high performance.
- Sealed and double relay are available, double relay has two separate relay structure.

## SPECIFICATIONS

### Contact

Arrangement	1 Form C; 2 Form C	
Contact material	Silver alloy	
Contact resistance (1A 6VDC)	100mΩ Max.	
CQC rating Resistive load (cos Φ=1)	25A	14VDC
Max. switching voltage	40VDC	
Max. Switching current	25A	
Expected life(min.ope)	Mechanical (at 180 cpm)	1X10 <sup>7</sup> Min.
	Electrical (at 20 cpm)	2X10 <sup>5</sup> Min.

### Characteristics

Operate time	3 msec.Max.	
Release time	1.3 msec.Max.	
Operating humidity	45~85%RH	
Initial breakdown voltage	Between contact and coil	500VAC (50/60Hz) for 1 min.
	Between open contacts	500VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-40℃ ~ +120℃	
Temperature rise (Max.)	65K	
Shock resistance	Functional	30G Min.
	Destructive	45G Min.
Vibration	10Hz-500Hz,1.5mm	
Unit weight	Approx. 5g/10g	

### Coil

Nominal operating power	0.56W
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## TYPICAL APPLICATIONS

- Central locks
- Electronic positioning device
- Sunsreen derice
- Chair adjustmet device
- Automatic doors
- Seatbelt pretensioner

## ORDERING INFORMATION

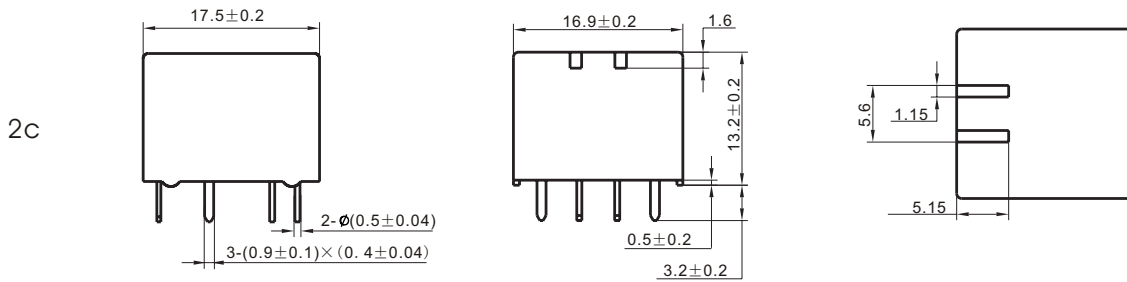
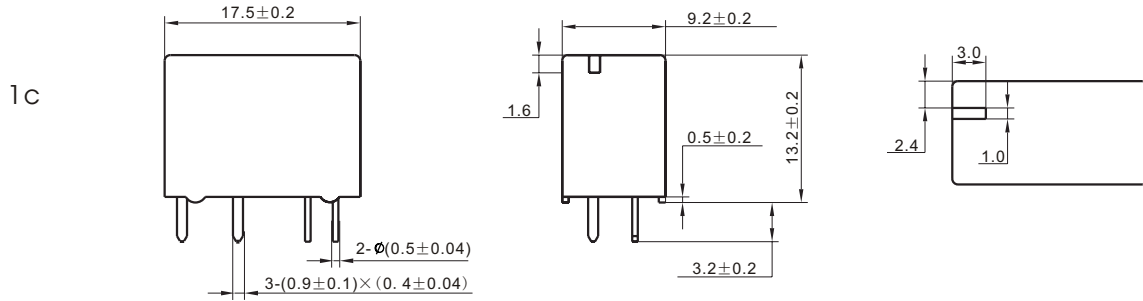
Type	Protective construction	Number of poles	Coil sensitivity	Coil type
SARG	S:Sealed	1: Single Relay 2: Double Relay	12	0.56W

# COIL(at 20°C)

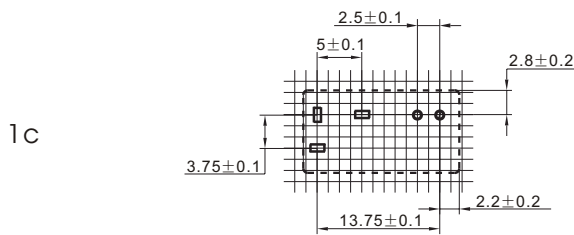
SARG

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ( $\Omega$ , $\pm 10\%$ )	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal Operating power (W)	Max Allowable voltage (VDC)
12	12	47	255	1.0	7.2	0.56W	15

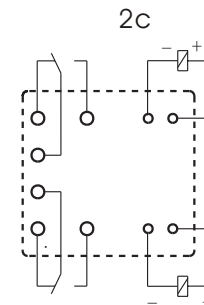
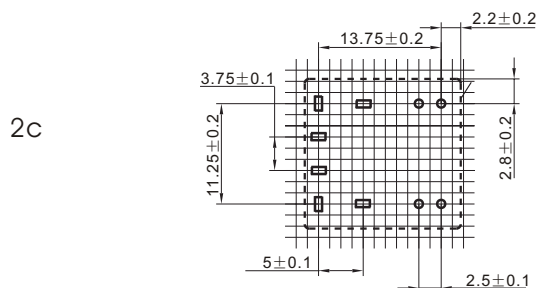
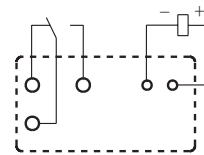
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)



### PCB layout



### Wiring Diagram



# CHARACTERISTICS CURVE

