

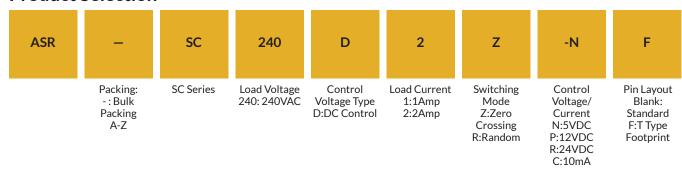


- Opto-isolation
- Load Current: 0.1A-2A @24-280VAC
- Control Current: 10mA or Control Voltage: 5VDC, 12VDC, 24VDC
- Dielectric Strength: 2500VACrms
- TRIAC Output
- PCB Mounted
- RoHS Compliant

### **Product Description**

ASR-SC series is printed board mounted solid state relay. Control current is 10mA or control voltage is 5VDC, 12VDC or 24VDC, load voltage is 240VAC. Optoisolation between input and output, zero crossing and random-on output mode available.

#### **Product Selection**



INPUT CIRCUIT		
Control Voltage Range	5	4~6VDC
	12	9.6~14.4VDC
	24	19.2~28.8VDC
Must Turn-on Voltage	5	4VDC
	12	9.6VDC
	24	19.2VDC
Must Turn-off Voltage	5/12/24	1.0VDC
Maximum Input Current	5/12/24	25mA (@max. input Voltage)

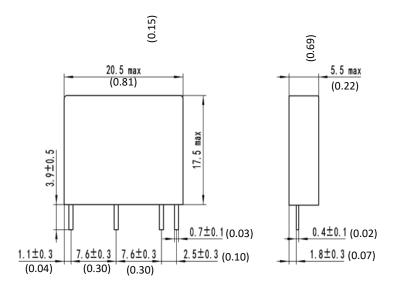
	24~280VAC
	600Vpk
1A	25Apk
2A	35Apk
Random-On	1ms
Zero Crossing	10ms
	10ms
1A	0.1~1A
2A	0.1~2A
	0.1~2A
	1.5Vrms
	200V/μs
	47-63Hz
	0.5
	2500VACrms
	1000MΩ(@500VDC)
	-30°C +80°C
	3g
	2A Random-On Zero Crossing



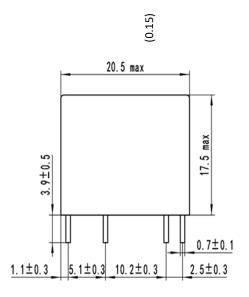
## **Application Note:**

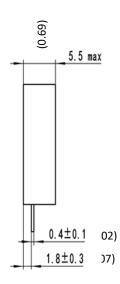
Suitable for pumps, valve control, motor control and etc.

#### A) Standard Footprint



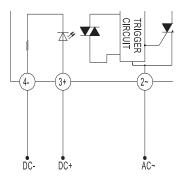
#### B) T Type Footprint



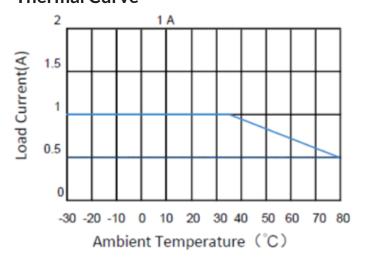


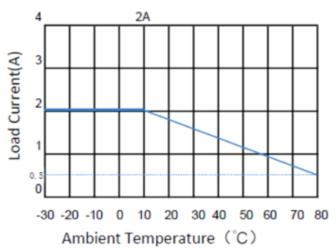


## Wiring Diagram



### **Thermal Curve**





## **Important Notice**

- 1. Soldering must be finished within 10 seconds at 260°C,or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.
- 2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.
- 3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

#### **Product Certification**







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