



**RoHS Compliant**

E197851

15.5 x 10.5 x 11.25 mm

## Features

- High sensitivity
- Super light weight
- Low coil power consumption
- PC board mounting
- Ideal for high density mounting

## Contact Data

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	1A & 3A @ 125VAC 1A & 3A @ 30VDC 5A @ 125VAC 5A @ 30VDC Pilot Duty 270VA, 120VAC

Contact Resistance	< 50 milliohms initial
Contact Material	AgNi + Au
Maximum Switching Power	150W
Maximum Switching Voltage	300VAC, 150VDC
Maximum Switching Current	5A

## Coil Data

Coil Voltage VDC		Coil Resistance $\Omega$ +/- 10%			Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.20W	.36W	.45W					
3	3.9	45	25	20	2.25	.3	.20 .36 .45	5	5
5	6.5	125	75	56	3.75	.5			
6	7.8	180	100	80	4.50	.6			
9	11.7	405	225	180	6.75	.9			
12	15.6	720	400	320	9.00	1.2			
24	31.2	2880	1600	1280	18.00	2.4			

## General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M $\Omega$ min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1250V rms min. @ sea level 500V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	3.5g

### Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

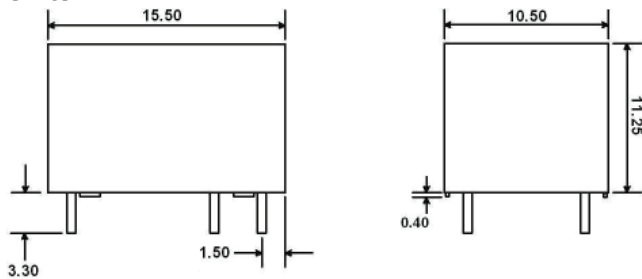
# J102

## Ordering Information

1. Series	J102	1C	S	3	12VDC	.45
J102 (6 pin configuration) Std J102k (5 pin configuration)						
2. Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT					
3. Sealing Options	S = Sealed					
4. Contact Options	1 = 1amp (requires .2, .36 or .45 watt coil) 3 = 3amp (requires .2, .36 or .45 watt coil) 5 = 5amp (requires .45 watt coil)					
5. Coil Voltage	3VDC 5VDC 6VDC 9VDC 12VDC 24VDC					
6. Coil Power	.20 = .20W .36 = .36W .45 = .45W					

## Dimensions

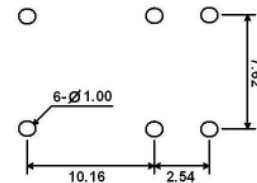
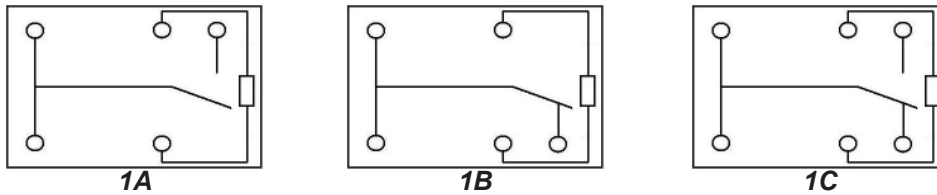
Units = mm



## Schematics & PC Layouts

Bottom Views

J102



J102K

