



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	
Contact Resistance	< 50 milliohms initial	AgNi	3A & 5A @125VAC, general use, 20k cycles for N.C., 10k cycles for N.O. 3A & 5A @ 30VDC, resistive use, 50k cycles for N.C., 30k cycles for N.O.
Contact Material	AgNi + Au, Ag + Au	Ag	1A & 3A @125VAC, general use 1A & 3A @ 30VDC, resistive use Pilot Duty 270VA, 120VAC, N.O., 30k cycles Pilot Duty 270VA, 120VAC, N.C., 6k cycles
Maximum Switching Power	150W		
Maximum Switching Voltage	300VAC, 150VDC		
Maximum Switching Current	5A		

Coil Data

Coil Voltage VDC		Coil Resistance Ω +/- 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					
5	6.5	125	75	56	3.75				
6	7.8	180	100	800	4.50				
9	11.7	405	225	180	6.75		5	5	
12	15.6	720	400	320	9.00	.20 .36 .45			
24	31.2	2880	1600	1280	18.00				

General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1250V rms min. @ sea level 500V rms min. @ sea level
Shock Resistance	100m/s ² 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.

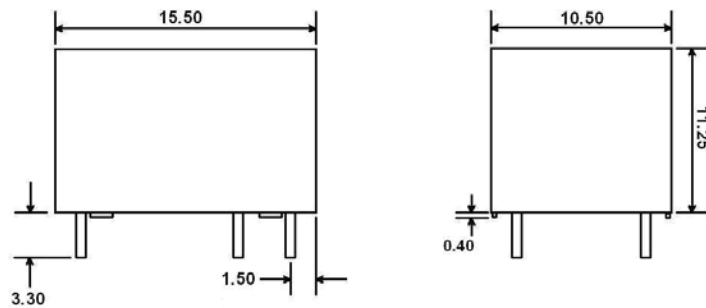
J102

Ordering Information

1. Series	J102	1C	S	3	12VDC	.45
	J102 J102K					
2. Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT					
3. Sealing Options	S = Sealed					
4. Contact Options	1 = 1amp Ag (requires .2, .36 or .45 watt coil) 3 = 3amp AgNi (requires .2, .36 or .45 watt coil) 3P = 3amp Ag (requires .2, .36 or .45 watt coil) 5 = 5amp AgNi (requires .45 watt coil)					
5. Coil Voltage	5VDC 6VDC 9VDC 12VDC 24VDC					
6. Coil Power	.20 = .20W .36 = .36W .45 = .45W					

Dimensions

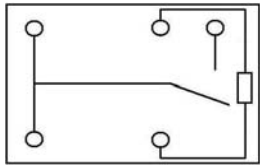
Units = mm



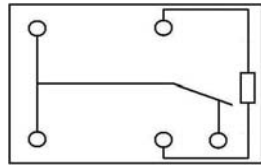
Schematics & PC Layouts

Bottom Views

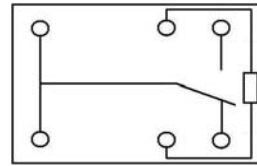
J102



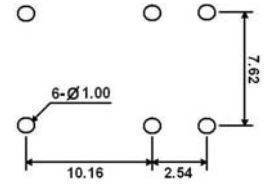
1A



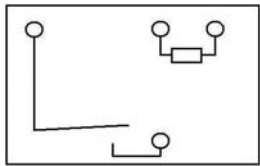
1B



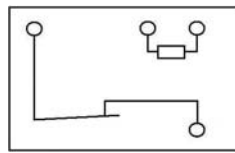
1C



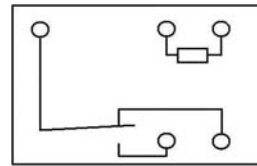
J102K



1A



1B



1C

