



## Features

- Low coil power consumption
- High sensitivity
- Conforms to FCC part 68
- PC board mounting
- Small size, light weight

## Contact Data

Contact Arrangement	1A = SPST N.O. 1C = SPDT
Contact Rating	2A @ 120VAC, Resistive 2A @ 24VDC, Resistive

Contact Resistance	< 50 milliohms initial
Contact Material	Ag + Au
Maximum Switching Power	30W
Maximum Switching Voltage	125VAC, 60VDC
Maximum Switching Current	2A

## 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	.15W	.20W					
3	3.9	60	45	2.25	.3	.15 .20	4.5	1.5
5	6.5	167	125	3.75	.5			
6	7.8	240	180	4.50	.6			
9	11.7	540	405	6.75	.9			
12	15.6	960	720	9.00	1.2			
24	31.2	n/a	2880	18.00	2.4			

## General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	5M cycles, typical
Insulation Resistance	100M $\Omega$ min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1500V rms min. @ sea level 1000V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11 ms
Vibration Resistance	3.30mm 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	2.2g

### Caution

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

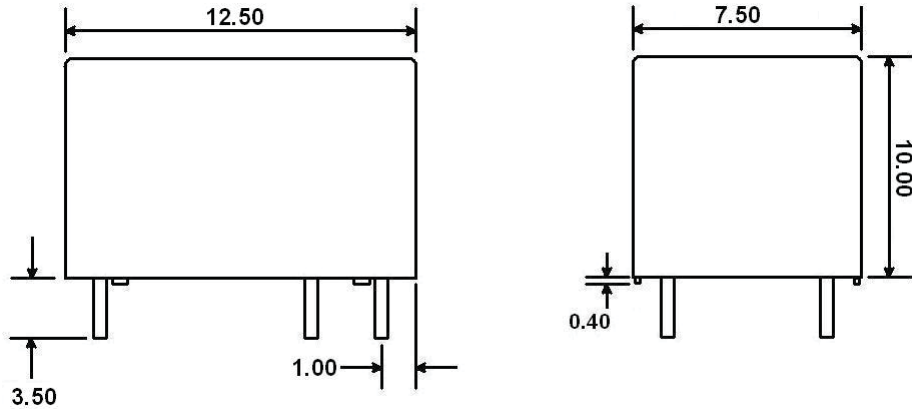
# J103

## Ordering Information

1. Series	J103	1C	12VDC	.20	S
J103					
2. Contact Arrangement	1A = SPST N.O. 1C = SPDT				
3. Coil Voltage	3VDC 5VDC 6VDC 9VDC 12VDC 24VDC				
4. Coil Power	.15 = .15W **Not available with 24VDC coil .20 = .20W				
5. Sealed	S = Sealed (standard)				

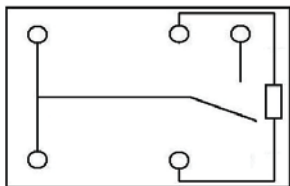
## Dimensions

Units = mm

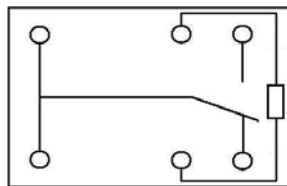


## Schematics & PC Layouts

Bottom Views



1A



1C

