

## Features

- Low coil power consumption
- Small size and light weight
- PC board mounting
- Wide range of applications

**UL**  
E197852



## Contact Data\*

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	N.O. 10A @ 120VAC Resistive 20A @ 14VDC Resistive N.C. 10A @ 14VDC Resistive 1/2hp - 125VAC; TV-5, 120VAC

Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO <sub>2</sub>
Maximum Switching Power	280W, 1200VA
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	20A

## Coil Data\*

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.6W	.8W	75% of rated voltage	10% of rated voltage			
9	11.7	135	102	6.75	0.9	.60 .80	10	5
12	15.6	240	180	9.00	1.2			
24	31.2	960	720	18.00	2.4			

## General Data\*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact	500V rms min. @ sea level initial
Contact to Contact	500V rms min. @ sea level initial
Shock Resistance	100m/s <sup>2</sup> for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	6g

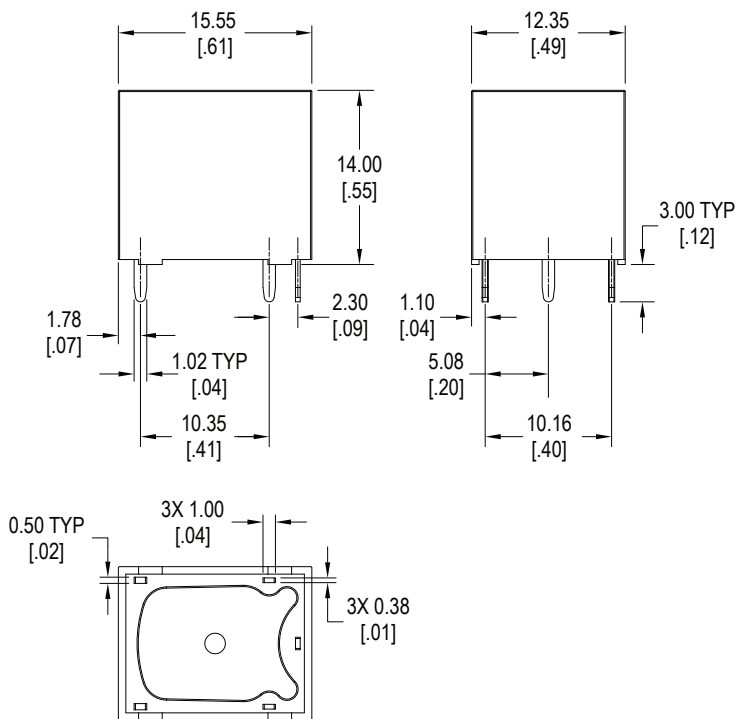
\* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

## Ordering Information

1. Series	J118	1C	S	12VDC	.60
J118					
2. Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT				
3. Sealing Option	S = Sealed				
4. Coil Voltage	9VDC 12VDC 24VDC				
5. Coil Power	.60 = .60W .80 = .80W				

## Dimensions

Units = mm



## Schematics & PC Layout

Bottom Views

