J107E3

19.0 x 15.5 x 15.3 mm

Features

- Small size and light weight
- PC board mounting
- UL/CUL certified

E197851

Contact Data*

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	10A @ 250VAC 10A @ 30VDC

Contact Resistance	< 50 milliohms initial
Contact Material	$AgSnO_2$
Maximum Switching Power	2500VA, 300W
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	10A

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	.36W	.45W					
3	3.9	25	20	2.25	0.3	.36 .45	10	5
5	6.5	70	56	3.75	0.5			
6	7.8	100	80	4.50	0.6			
9	11.7	225	180	6.75	0.9			
12	15.6	400	320	9.00	1.2			
24	31.2	1600	1280	18.00	2.4			
48	62.4	6400	5120	36.00	4.8			

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	1500V rms min. @ sea level initial
Contact to Contact	750V rms min. @ sea level initial
Shock Resistance	$100 m/s^2$ for 11 ms
Vibration Resistance	1.55mm double amplitude 10~40Hz
Operating Temperature	-40ºC to +85ºC
Storage Temperature	-40ºC to +130ºC
Solderability	260ºC for 5 s
Weight	10g

* *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.*

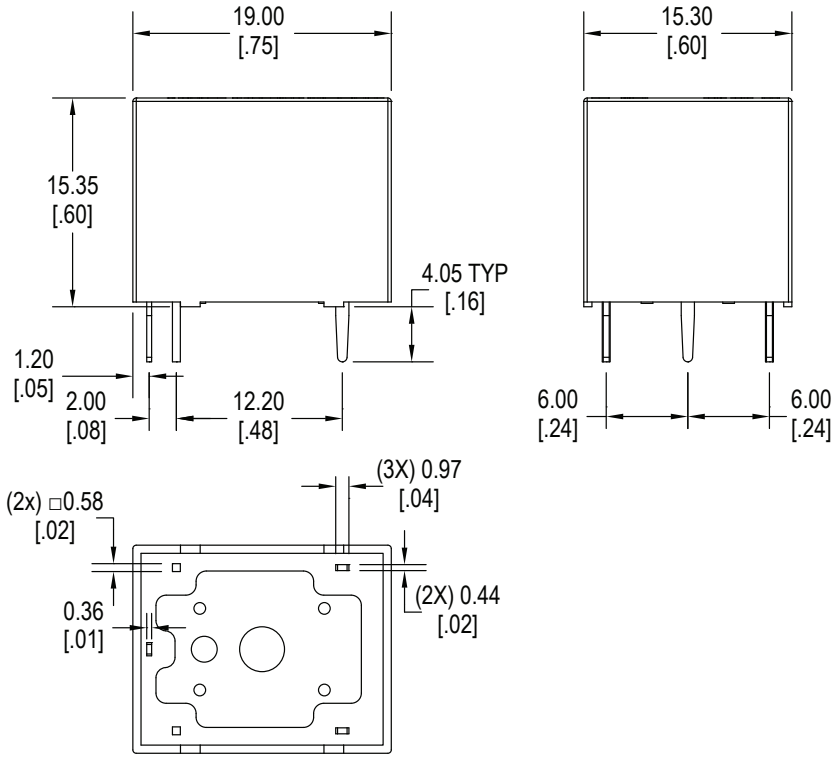
J107E3

Ordering Information

1. Series	J107E3	1C	S	10	12VDC	.36
J107E3						
2. Contact Arrangement 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT						
3. Sealing Option S = Sealed against flux ingress						
4. Contact Rating 10 = 10A						
5. Coil Voltage 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC						
6. Coil Power .36 = .36W .45 = .45W						

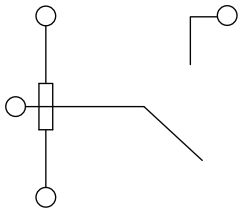
Dimensions

Units = mm

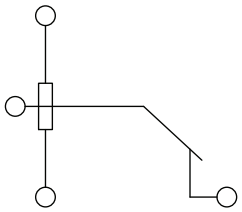


Schematics & PC Layouts

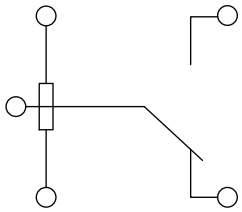
Bottom Views



1A



1B



1C