SWITCHES Unlimited

CIT RELAY & SWITCH™
Division of Circuit Interruption Technology, Inc.

RoHS Compliant

J107E1

E197851

19.0 x 15.5 x 15.3 mm

Features

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

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	.3	.36 .45	10	5
5	6.5	70	56	3.75	.5			
6	7.8	100	80	4.50	.6			
9	11.7	225	180	6.75	.9			
12	15.6	400	320	9.00	1.2			
24	31.2	1600	1280	18.00	2.4			

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	1500V rms min. @ sea level 750V rms min. @ sea level
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.55mm double amplitude 10~55Hz
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +130°C
Solderability	260°C for 5 s
Weight	10g

Caution

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

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Switches Unlimited
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www.switchesunlimited.com

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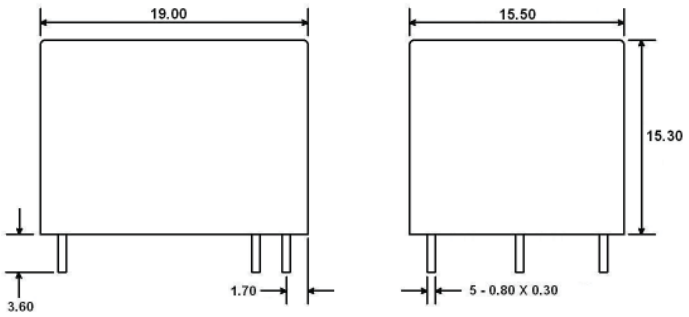
Ordering Information

1. Series	J107E1	1C	S	10	12VDC	.36
J107E1						
2. Contact Arrangement 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT						
3. Sealing Option S = Sealed						
4. Contact Rating 10 = 10A						
5. Coil Voltage 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC						
6. Coil Power .36 = .36W .45 = .45W						

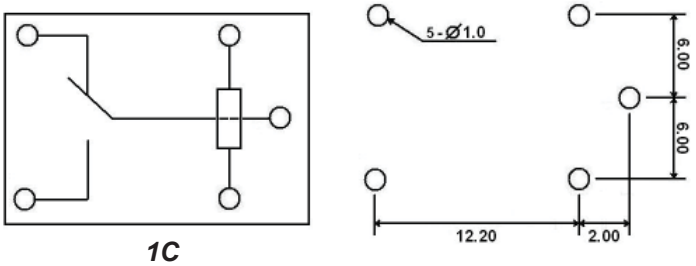
Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views



1C

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