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

RoHS Compliant

J112

E197851 20.2 x 5.3 x 12.8 mm

Features

- Low power consumption .12W
- Ultra light weight
- Narrow width for high density mounting
- UL/CUL certified

Contact Data*

Contact Arrangement	1A = SPST N.O.
Contact Rating	5A @ 250VAC Resistive, 70ºC, 20,000 Cycles 5A @ 30VDC Resistive, 70ºC, 20,000 Cycles

Contact Resistance	< 50 milliohms initial
Contact Material	AgNi + Au
Maximum Switching Power	150W, 1250VA
Maximum Switching Voltage	250VAC, 110VDC
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						
5	6.5	208	3.75	.5	.12	10	5
12	15.6	1200	9.00	1.2			
24	31.2	3200	18.00	2.4	.18		

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	2000V rms min. @ sea level initial
Contact to Contact	1000V rms min. @ sea level initial
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40ºC to +85ºC
Storage Temperature	-40ºC to +155ºC
Solderability	260ºC for 5 s
Weight	3g

* *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.*

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

Specifications and availability subject to change without notice.

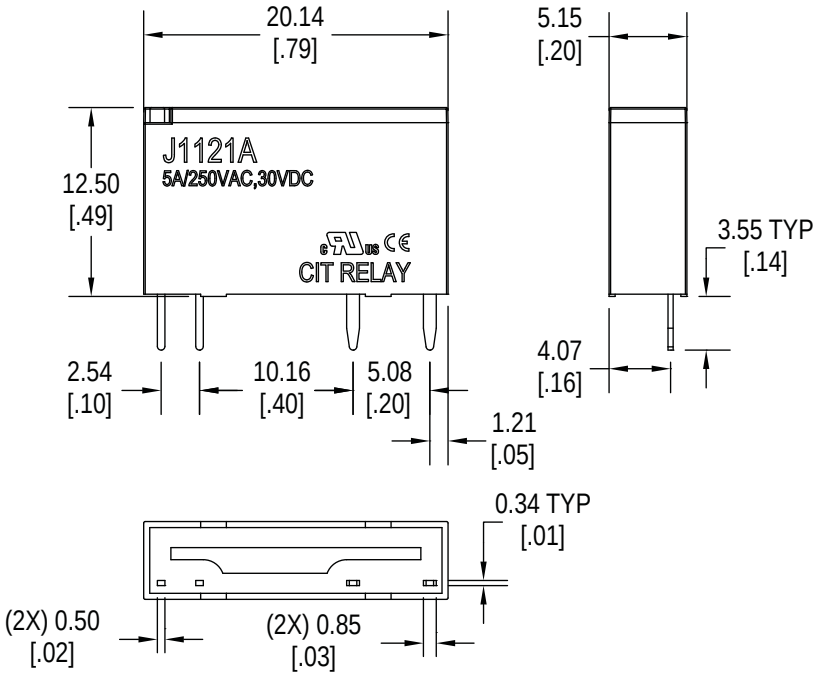
J112

Ordering Information

1. Series J112	J112	1A	S	12VDC
2. Contact Arrangement 1A = SPST N.O.				
3. Sealing Option S = Sealed				
4. Contact Voltage 5VDC 12VDC 24VDC				

Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views