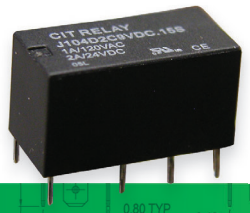


J104D

E197851

20.4 x 10.05 x 11.0 mm

Features

- High sensitivity
- Low cost
- Conforms to FCC part 68
- Clearance more than 1.2mm between coil and contacts
- Creepage more than 1.9mm between coil and contacts
- Bifurcated contacts for high reliability

Contact Data*

Contact Arrangement	2C = DPDT Bifurcated Contacts
Contact Rating	2A @ 24VDC, Resistive 1A @ 120VAC, Resistive
Contact Material	AgNi + Au Clad
Contact Resistance	≤ 50 milliohms initial

Maximum Switching Power	48W, 120VA
Maximum Switching Voltage	250VAC, 100VDC
Maximum Switching Current	2A

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	.15W	.20W	.36W	.45W	75% of rated voltage	10% of rated voltage			
3	3.9	60	45	25	20	2.25	0.3	.15 .20 .36 .45	6	4
5	6.5	167	125	70	56	3.75	0.5			
6	7.8	240	180	100	80	4.50	0.6			
9	11.7	540	405	225	180	6.75	0.9			
12	15.6	960	720	400	320	9.00	1.2			
24	31.2	3840	2880	1600	1280	18.00	2.4			
48	62.4	n/a	11520	6400	5100	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	1000V rms min. @ sea level initial
Contact to Contact	500V rms min. @ sea level initial
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.5mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40ºC to +85ºC
Storage Temperature	-40ºC to +85ºC
Solderability	260ºC for 5 s
Weight	5g

* *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.*

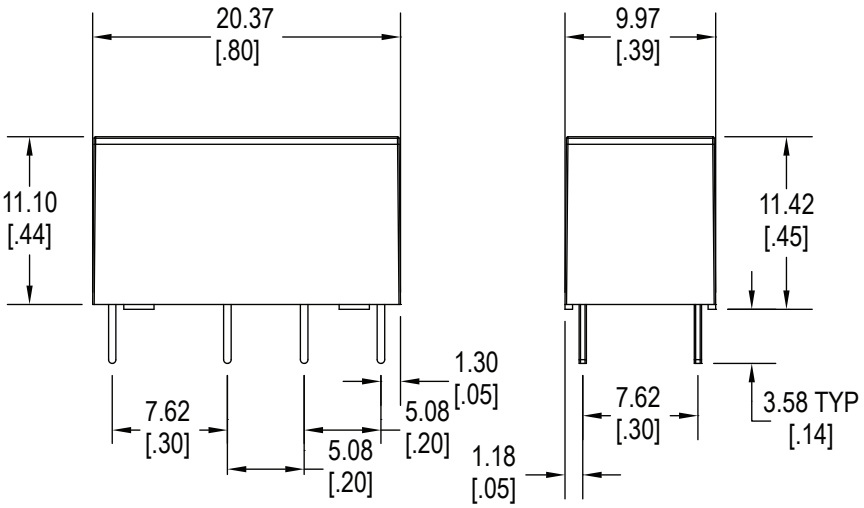
J104D

Ordering Information

1. Series	J104D	2C	12VDC	.45	S
J104D					
2. Contact Arrangement 2C = DPDT					
3. Coil Voltage 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC **Not available with .15W coil power					
4. Coil Power .15 = .15W .20 = .20W .36 = .36W .45 = .45W					
5. Seal S = Sealed (standard)					

Dimensions

Units = mm



Schematic & PC Layout

Bottom View