

RoHS Compliant

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

J104

E197851

20.0 (21.0) x 9.8 x 10.8 mm

Features

- High sensitivity, super light weight
- Conforms to FCC part 68
- PC board mounting
- Available bifurcated contacts for high reliability

Contact Data

	J104A & J104B - Bifurcated Contacts Standard Version	J104C - Bifurcated Contacts Low Cost Version
Contact Arrangement	2C = DPDT	2C = DPDT
Contact Rating	2A @ 30VDC 3A @ 30VDC N.O. .6A @ 125VAC	1A @ 24VDC 1A @ 125VAC
Contact Resistance	< 50 milliohms initial	< 50 milliohms initial
Contact Material	AgNi + Au clad	Ag
Maximum Switching Power	60W, 75VA	24W, 125VA
Maximum Switching Voltage	250VAC, 220VDC	250VAC, 220VDC
Maximum Switching Current	3A	3A

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	.15W	.20W	.36W	.40W	.51W	.55W					
3	3.9	60	45	25	23	17.6	16	2.25	.3	.15 .20 .36 .40 .51 .55	4.5	1.5
5	6.5	167	125	56	63	39.7	45	3.75	.5			
6	7.8	240	180	70	90	49	66	4.50	.6			
9	11.7	540	405	100	203	70.6	140	6.75	.9			
12	15.6	960	720	400	360	282	280	9.00	1.2			
24	31.2	N/A	2880	1600	1440	1129	1070	18.00	1.2			
48	62.4	N/A	11.5K	N/A	5760	4518	3900	36.00	4.8			

General Data

Electrical Life @ rated load	500K cycles, typical
Mechanical Life	100M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1500V rms min. @ sea level 1000V rms min. @ sea level
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40^{o}C to +85^{o}C
Storage Temperature	-40^{o}C to +155^{o}C
Solderability	260^{o}C for 5 s
Weight	4.5g

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.

www.citrelay.com
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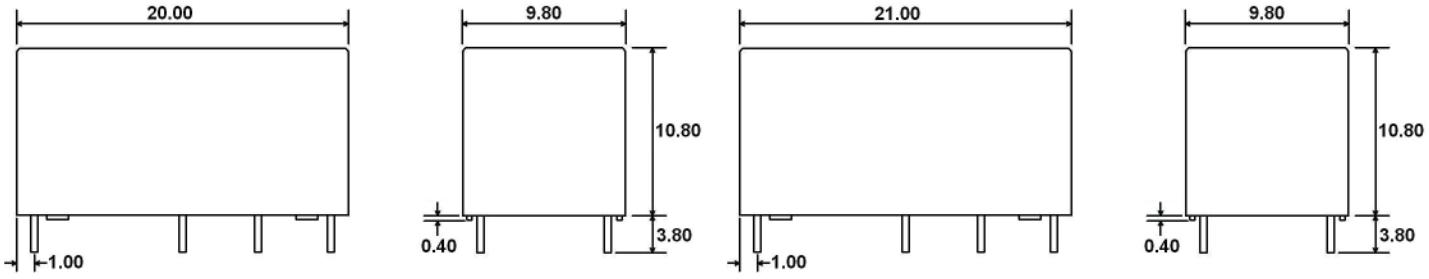
J104

Ordering Information

1. Series	J104	2C	12VDC	.55	S
J104A **.40W, .55W coil power only J104B **.15W, .20W coil power only J104C **.20W, .36W, .51W coil power only					
2. Contact Arrangement 2C = DPDT					
3. Coil Voltage 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC					
4. Coil Power J104A: .40 = .40W; .55 = .55W J104B: .15 = .15W; .20 = .20W J104C: .20 = .20W; .36 = .36W; .51 = .51W					
5. Sealed S = Sealed (standard)					

Dimensions

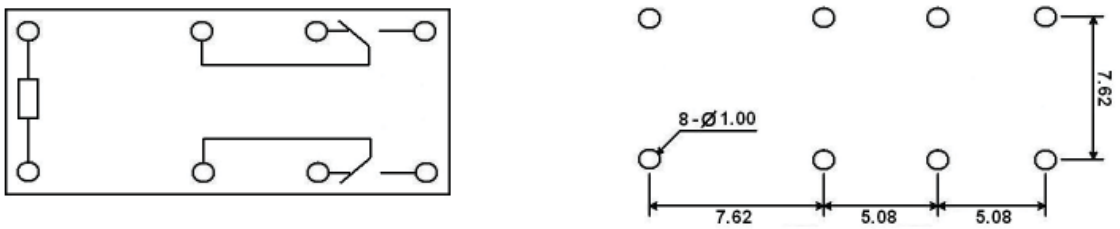
Units = mm



J104A & J104B ***J104C***

Schematics & PC Layouts

Bottom Views



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