

Features

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

c **UL** ^{us}
E197851



Contact Data*

	J104A & J104B - Bifurcated Contacts Standard Version	J104C - Bifurcated Contacts Low Cost Version
Contact Arrangement	2C = DPDT	2C = DPDT
Contact Rating	2A @ 30VDC, resistive, 40C, 6K cycles 3A @ 30VDC N.O., resistive, 40C, 6K cycles .6A @ 125VAC, resistive, 40C, 6K cycles	1A @ 24VDC, resistive, 40C, 50K cycles 1A @ 125VAC, resistive, 40C, 50K cycles 2A @ 30VDC, resistive, 40C, 50K cycles
Contact Resistance	< 50 milliohms initial	< 50 milliohms initial
Contact Material	AgNi + Au clad	Ag + Au clad
Maximum Switching Power	60W, 75VA	24W, 125VA
Maximum Switching Voltage	250VAC, 48VDC	250VAC, 48VDC
Maximum Switching Current	3A	3A

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	.40W	.55W	75% of rated voltage	10% of rated voltage			
3	3.9	60	45	25	23	16	2.25	.3	.15 .20 .36 .40 .51 .55	4.5	1.5
5	6.5	167	125	56	63	45	3.75	.5			
9	11.7	540	405	100	203	140	6.75	.9			
12	15.6	960	720	400	360	280	9.00	1.2			
24	31.2	N/A	2880	1600	1440	1070	18.00	2.4			
48	62.4	N/A	11.5K	N/A	5760	3900	36.00	4.8			

General Data*

Electrical Life @ rated load	500K cycles, average	
Mechanical Life	100M cycles, average	
Insulation Resistance	1000M Ω min. @ 500VDC initial	
Dielectric Strength	J104A & J104B	J104C
	Coil to Contact Contact to Contact	1500V rms min. initial 1000V rms min. initial 1000V rms min. initial 500V rms min. initial
Shock Resistance	100m/s ² for 11 ms	
Vibration Resistance	1.50mm double amplitude 10~40Hz	
Terminal (Copper Alloy) Strength	5N	
Operating Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +155°C	
Solderability	260°C for 5 s	
Weight	4.5g	

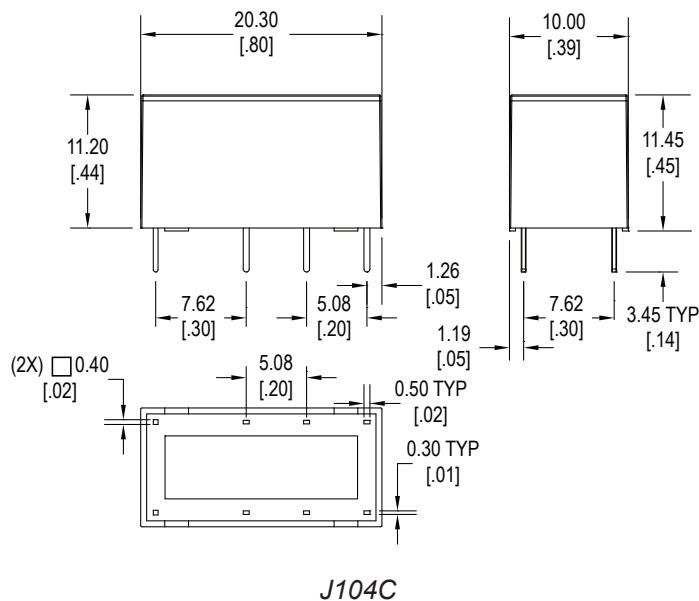
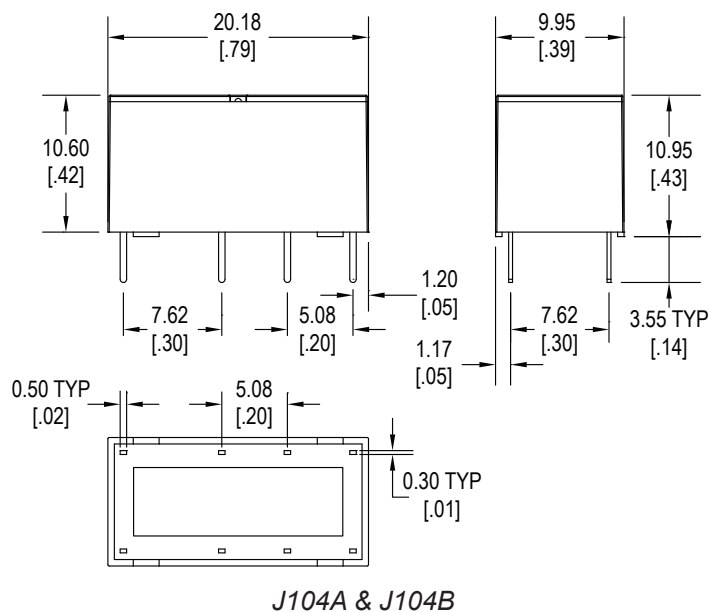
* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

Ordering Information

1. Series	J104A	2C	12VDC	.55	S
J104A **.40W, .55W coil power only J104B **.15W, .20W coil power only J104C **.20W, .36W coil power only (only available on 5, 12 & 24 VDC coil)					
2. Contact Arrangement 2C = DPDT					
3. Coil Voltage 3VDC 5VDC 9VDC 12VDC 24VDC **.not available with .15W coil power 48VDC **.not available with .15W or .36W coil power					
4. Coil Power					
J104A	J104B	J104C			
.40 = .40W	.15 = .15W	.20 = .20W			
.55 = .55W	.20 = .20W	.36 = .36W			
5. Sealed S = Sealed (standard)					

Dimensions

Units = mm



Schematic & PC Layout

Bottom Views

