

FEATURES:

- High sensitivity
- Super light weight
- Conforms to FCC part 68
- PC board mounting
- Bifurcated contact for high reliability

 us E197851



20.0 x 10.0 x 11.8 mm

CONTACT DATA

Contact Arrangement	2C = DPDT
Contact Rating	1A @ 24VDC; .5A @ 120VAC
Contact Resistance	< 50 milliohms initial
Contact Material	AgPd + Au
Maximum Switching Power	30W
Maximum Switching Voltage	250VAC, 220VDC
Maximum Switching Current	2Amp

COIL DATA

Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$				Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	.15W	.20W	.40W	.55W	75% of rated voltage	10% of rated voltage			
3	3.9	60	45	23	16	2.25	0.3	.15 .20 .40 .55	4.5	1.5
5	6.5	167	125	63	45	3.75	0.5			
6	7.8	240	180	90	66	4.50	0.6			
9	11.7	540	405	203	140	6.75	0.9			
12	15.6	960	720	360	280	9.00	1.2			
24	31.2	N/A	2880	1440	1070	18.00	2.4			
48	62.4	N/A	11520	5760	3900	36.00	4.8			

CAUTION:

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

GENERAL DATA

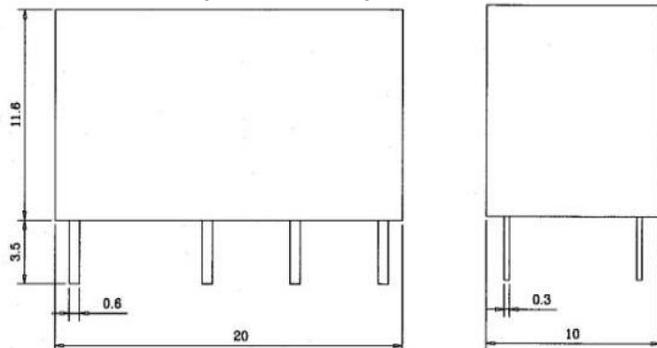
Electrical Life @ rated load	500K cycles, typical
Mechanical Life	100M cycles, typical
Insulation Resistance	100M Ω min @ 500VDC
Dielectric Strength, Coil to Contact	1000V rms min. @ sea level
Contact to Contact	1000V rms min. @ sea level
Shock Resistance	100m/s ² for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C \pm 2 °C for 10 \pm 0.5s
Weight	4.5g



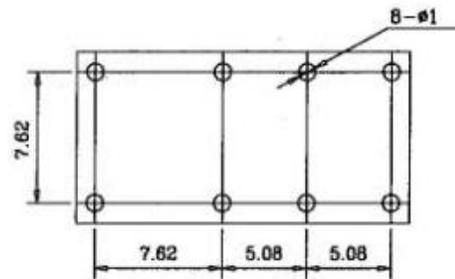
ORDERING INFORMATION

1. Series:	WJ104	2C	12VDC	.55	S
WJ104					
2. Contact Arrangement:	2C = DPDT				
3. Coil Voltage:	3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC				
4. Coil Power:	.15 = .15 W .20 = .20 W .40 = .40 W .55 = .55 W				
5. Sealed:	S = Sealed (standard)				

DIMENSIONS (Unit = mm)



PCB Layout



Schematic

