CIT RELAY™

WJ104

FEATURES:

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

c UL 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 clad
Maximum Switching Power	30W
Maximum Switching Voltage	250VAC, 220VDC
Maximum Switching Current	2Amp

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	.40W	.55W					
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

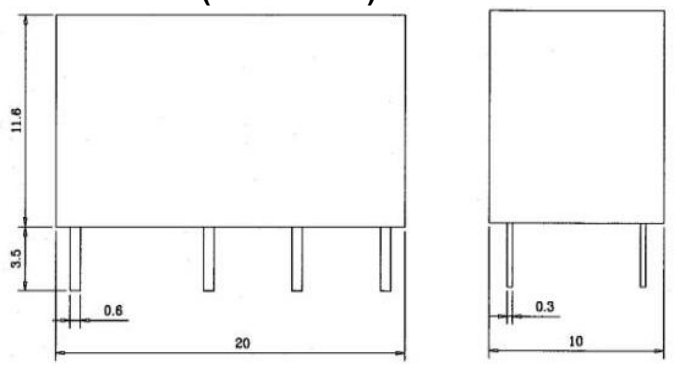
Electrical Life @ rated load Mechanical Life	500K cycles, typical 100M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1000V rms min. @ sea level 1000V rms min. @ sea level
Shock Resistance	100m/s^2 for 11ms
Vibration Resistance	1.50mm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

CIT RELAY™ WJ104

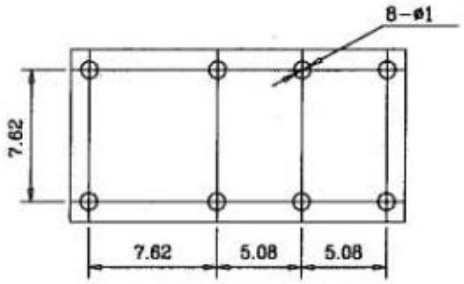
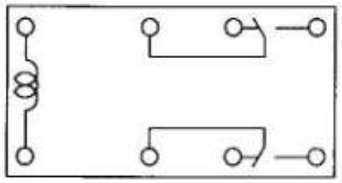
ORDERING INFORMATION

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