<u>CIT RELAY</u>™

FEATURES:

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

cNus E197851

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		Coil Resistance				Pick Up Voltage	Release Voltage	Coil	Operate Time	Release Time
VDC		$\Omega\pm$ 10%				VDC (max)	VDC (min)	Power	ms	ms
						W				
			75%	10%						
Rated	Max.	.15W	.20W	.40W	.55W	of rated voltage	of rated voltage			
3	3.9	60	45	23	16	2.25	0.3			
5	6.5	167	125	63	45	3.75	0.5			
6	7.8	240	180	90	66	4.50	0.6	.15		
9	11.7	540	405	203	140	6.75	0.9	.20	4.5	1.5
12	15.6	960	720	360	280	9.00	1.2	.40		
24	31.2	N/A	2880	1440	1070	18.00	2.4	.55		
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	100MΩ 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



20.0 x 10.0 x 11.8 mm

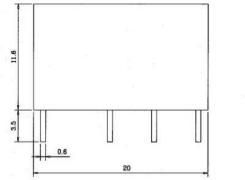
CIT RELAY™

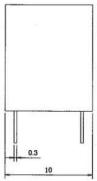
WJ104

ORDERING INFORMATION

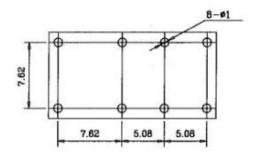
1. Series:	WJ104	2C	12VDC	.55	S
WJ104					
2.Contact Arrangement: 2C = DPDT					
3. Coil Voltage: 3VDC 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC					
4.Coil Power: .15 = .15 W .20 = .20 W .40 = .40 W .55 = .55 W					
5. Sealed: S = Sealed (standard)					

DIMENSIONS (Unit = mm)





PCB Layout



Schematic

