

CIT RELAY™

WJ110

FEATURES:

- Load capacity of up to 15A
- Small size and light weight
- PC board mounting
- UL/CUL certified

 US E197851



19.5 x 16.2 x 16.5 mm

CONTACT DATA

| | |
|---------------------------|---|
| Contact Arrangement | 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT |
| Contact Rating | 5A, 7A, 12A, 15A @ 125VAC & 28VDC |
| Contact Resistance | < 50 milliohms initial |
| Contact Material | AgCdO |
| Maximum Switching Power | 420W |
| Maximum Switching Voltage | 380VAC, 110VDC |
| Maximum Switching Current | 15A |

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. | .36W | .45W | 75% of rated voltage | 10% of rated voltage | | | |
| 3 | 3.9 | 25 | 20 | 2.25 | 0.3 | .36 .45 | 15 | 5 |
| 6 | 7.8 | 100 | 80 | 4.50 | 0.6 | | | |
| 9 | 11.7 | 225 | 180 | 6.75 | 0.9 | | | |
| 12 | 15.6 | 400 | 320 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1600 | 1280 | 18.00 | 2.4 | | | |
| 48 | 62.4 | 6400 | 5120 | 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.

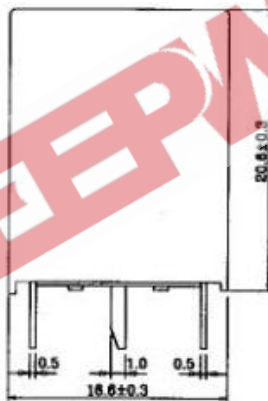
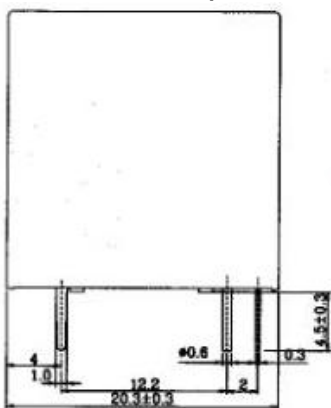
GENERAL DATA

| | |
|--------------------------------------|-------------------------------------|
| Electrical Life @ rated load | 100K cycles, typical |
| Mechanical Life | 10M cycles, typical |
| Insulation Resistance | 100M Ω min @ 500VDC |
| Dielectric Strength, Coil to Contact | 1500V rms min. @ sea level |
| Contact to Contact | 750V rms min. @ sea level |
| Shock Resistance | 100m/s ² for 11ms |
| Vibration Resistance | 1.50mm double amplitude 10-40Hz |
| Terminal (Copper Alloy) Strength | 10N |
| 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 | 13g |

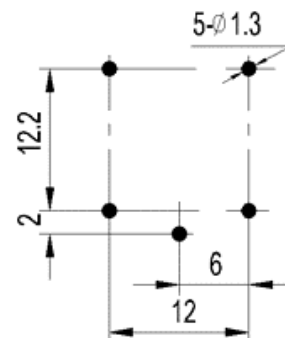
ORDERING INFORMATION

| | | | | | | |
|--------------------------------|---|----|---|---|-------|------|
| 1. Series: | WJ110 | 1A | S | 5 | 12VDC | .36W |
| WJ110 | | | | | | |
| 2. Contact Arrangement: | 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT | | | | | |
| 3. Sealing Options: | S = Sealed | | | | | |
| 4. Contact Rating: | 5 = 5A 7 = 7A 12 = 12A 15 = 15A | | | | | |
| 5. Coil Voltage: | 3VDC 6VDC 9VDC 12VDC 24VDC 48VDC | | | | | |
| 6. Coil Power: | .36 = .36W .45 = .45W | | | | | |

DIMENSIONS (Units = mm)



PBC Layout



Schematic

