

JZC-38F

SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:E133481



File No.:R2133535



File No.:CH0039695-99



Features

- 1 From A or 1 From C
- Standard and Sensitive Coils
- Sealed and Unsealed Type Available

CONTACT DATA

| | | | |
|---------------------------------|--|--|--|
| Contact Arrangement | 1A | 1C | |
| Initial Contact Resistance Max. | 100mΩ (at 1A 6VDC) | | |
| Contact Material | AgCdO, AgSnO | | |
| Contact Rating (Res. Load) | 5A 250VAC 5A 30VDC | Standard | High Capacity |
| | | NC: 3A 250VAC/30VDC NO: 5A 250VAC/30VDC | NC: 5A 250VAC/30VDC NO: 5A 250VAC/30VDC |
| Max. switching voltage | 250VAC/30VDC | | |
| Max. switching current | 5A | | |
| Max. switching power | 1250VA | NO:1250VA NC:750VA | 1250VA |
| | | N.O.:5A 250VAC/30VDC N.C.:3A 250VAC/30VDC | |
| UL/CUR rating | N.O.:5A 250VAC/30VDC N.C.:3A 250VAC/30VDC | | |
| TÜV rating | N.O.:5A 250VAC/30VDC N.C.:3A 250VAC/30VDC | | |
| Mechanical life | 1 x 10 ⁷ OPS | | |
| Electrical life | 1 x 10 ⁵ OPS | | |

COIL

| | |
|------------|---------------------------------|
| Coil power | Standard:0.36W, Sensitive:0.25W |
|------------|---------------------------------|

COIL DATA

Standard Type

| Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Max. allowable Voltage VDC(at 20°C) | Coil Resistance Ω |
|---------------------|---------------------|----------------------|-------------------------------------|-------------------|
| 3 | 2.1 | 0.15 | 3.9 | 25 ± 10% |
| 5 | 3.5 | 0.25 | 6.5 | 69 ± 10% |
| 6 | 4.2 | 0.30 | 7.8 | 100 ± 10% |
| 9 | 6.3 | 0.45 | 11.7 | 225 ± 10% |
| 12 | 8.4 | 0.60 | 15.6 | 400 ± 10% |
| 18 | 12.6 | 0.90 | 23.4 | 900 ± 10% |
| 24 | 16.8 | 1.20 | 31.2 | 1600 ± 10% |
| 48 | 33.6 | 2.40 | 62.4 | 6400 ± 10% |

Sensitive Type

| Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Max. allowable Voltage VDC(at 20°C) | Coil Resistance Ω |
|---------------------|---------------------|----------------------|-------------------------------------|-------------------|
| 3 | 2.2 | 0.15 | 3.9 | 36 ± 10% |
| 5 | 3.6 | 0.25 | 6.5 | 100 ± 10% |
| 6 | 4.3 | 0.30 | 7.8 | 145 ± 10% |
| 9 | 6.5 | 0.45 | 11.7 | 325 ± 10% |
| 12 | 8.6 | 0.60 | 15.6 | 575 ± 10% |
| 18 | 13.0 | 0.90 | 23.4 | 1300 ± 10% |
| 24 | 17.3 | 1.20 | 31.2 | 2310 ± 10% |
| 48 | 34.6 | 2.40 | 62.4 | 9220 ± 10% |

CHARACTERISTICS

| | | |
|-----------------------------------|---------------------------|----------------------|
| Initial Insulation Resistance | 1000MΩ 500VDC | |
| Dielectric Strength | Between coil and Contacts | 2000VAC 1min. |
| | Between open contacts | 1000VAC 1min. |
| Operate time (at nomi. Volt.) | 10ms | |
| Release time (at nomi. Volt.) | 5ms | |
| Temperature rise (at nomi. Volt.) | Max. 55°C | |
| Humidity | 45 to 85%RH | |
| Ambient temperature | -40°C to +85°C | |
| Shock Resistance | Functional | 100 m/s ² |
| | Destructive | 500 m/s ² |
| Vibration Resistance | 3.3mm 10 to 55Hz | |
| Termination | PCB | |
| Unit weight | Approx. 8g | |
| Construction | Sealed & Unsealed | |

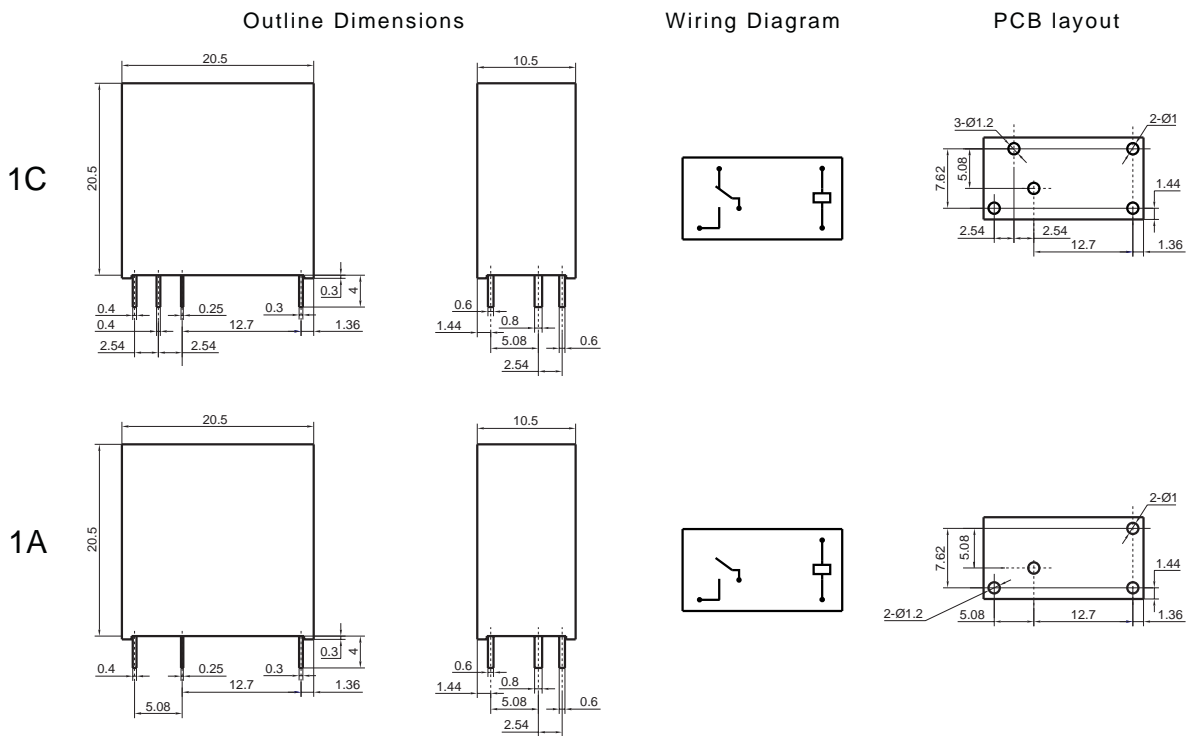


HONGFA RELAY
ISO9001/QS9000/ISO14000 CERTIFIED

ORDERING INFORMATION

| | | | | | |
|---------------------|--------------------------------|---|---|---|---|
| Type | JZC-38F / 012 | H | S | L | T |
| Coil voltage | 3, 5, 6, 9, 12, 18, 24, 48VDC | | | | |
| Contact arrangement | H: 1 Form A Z: 1 Form C | | | | |
| Structure | Nil: Unsealed S: Sealed | | | | |
| Coil Power | L: Sensitive NIL: Standard | | | | |
| Contact rating type | Q: High Capacity NIL: Standard | | | | |

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

