

JQC-25F

SUBMINIATURE HIGH POWER RELAY



File No.:E134517



File No.:R50028468



File No.:CQC03001003489



Features

- New product, small and for microwave oven
- 20A switching capability
- QC & PCB terminal
- 5KV surge between coil and contacts

CONTACT DATA

| | |
|----------------------------|----------------------------|
| Contact Arrangement | 1A |
| Initial Contact Resistance | 100mΩ (at 1A 6VDC) |
| Contact Material | AgSnO ₂ |
| Contact Rating | 1.5HP 250VAC 20A 250VAC |
| Max. switching voltage | DC: 30V AC: 250V |
| Max. switching current | 20A |
| Max. switching power | 5000VA, 480W |
| Mechanical life | 2 x 10 ⁶ OPS |
| Electrical life | 1 x 10 ⁵ OPS |

COIL

| | |
|------------|------|
| Coil power | 0.5W |
|------------|------|

COIL DATA

| Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Max. allowable Voltage VDC(at 20°C) | Coil Resistance Ω |
|---------------------|---------------------|----------------------|-------------------------------------|-------------------|
| 5 | 3.75 | 0.25 | 6.50 | 50 ± 10% |
| 6 | 4.50 | 0.30 | 7.80 | 72 ± 10% |
| 9 | 6.75 | 0.45 | 11.7 | 162 ± 10% |
| 12 | 9.00 | 0.60 | 15.6 | 288 ± 10% |
| 18 | 13.5 | 0.90 | 23.4 | 648 ± 10% |
| 24 | 18.0 | 1.20 | 31.2 | 1152 ± 10% |

Note:When requiring pull-in voltage <75% of nominal voltage, special order allowed.

CHARACTERISTICS

| | | |
|-----------------------------------|---------------------------|------------------------------|
| Initial Insulation Resistance | 1000M Ω ,500VDC | |
| Dielectric Strength | Between coil and Contacts | 5000VAC, 1min |
| | Between open contacts | 1000VAC, 1min |
| Operate time (at nomi. Volt.) | Max. 15ms | |
| Release time (at nomi. Volt.) | Max. 5ms | |
| Temperature rise (at nomi. Volt.) | Max. 50°C | |
| Humidity | 35 to 85%RH | |
| Shock Resistance | Functional | 100m/s ² (10g) |
| | Destructive | 1,000m/s ² (100g) |
| Ambient temperature | -40°C to +85°C | |
| Vibration Resistance | 1.5mm,10 to 55Hz | |
| Termination | PCB & QC | |
| Unit weight | Approx. 16.5g | |
| Construction | Sealed & Flux proof | |

SAFETY APPROVAL RATINGS

| | |
|-----|---------------------------|
| UL | 20A 250VAC |
| | 16A 30VDC 1.5HP 250VAC |
| Tüv | 20A 250VAC, cos phi =1 |
| | 16A 30VDC |



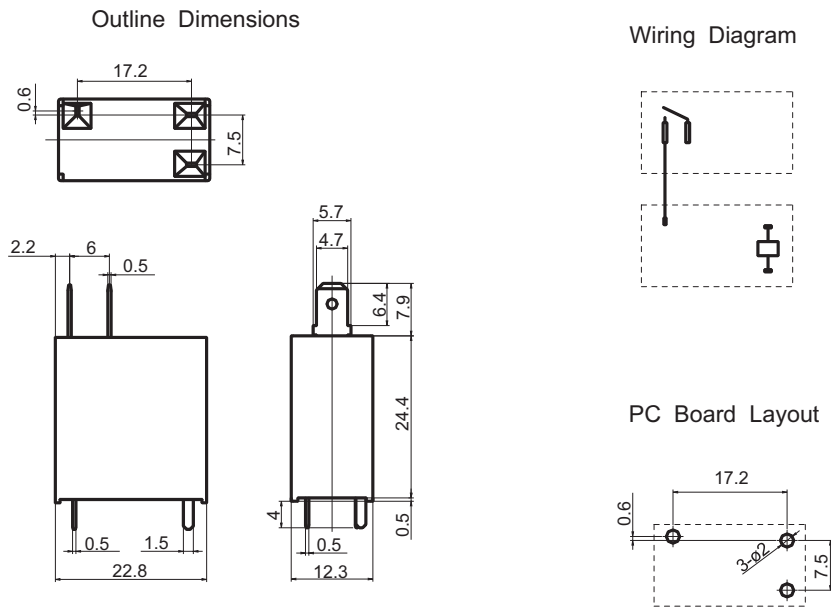
HONGFA RELAY
ISO9001、ISO/TS16949、ISO14001 CERTIFIED

VERSION: EN02-20040601

ORDERING INFORMATION

| | | | | | |
|-------------------------------|----------------------------------|-----|---|---|-----|
| Type | JQC-25 F / | 012 | H | S | XXX |
| Coil voltage | 5 to 24 VDC | | | | |
| Contact arrangement | H: SPST-NO | | | | |
| Structure | S : Sealed IP67 Nil : Flux proof | | | | |
| Customer special request code | | | | | |

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

