

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

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

COIL

Coil power	0.5W
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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.

SAFETY APPROVAL RATINGS

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



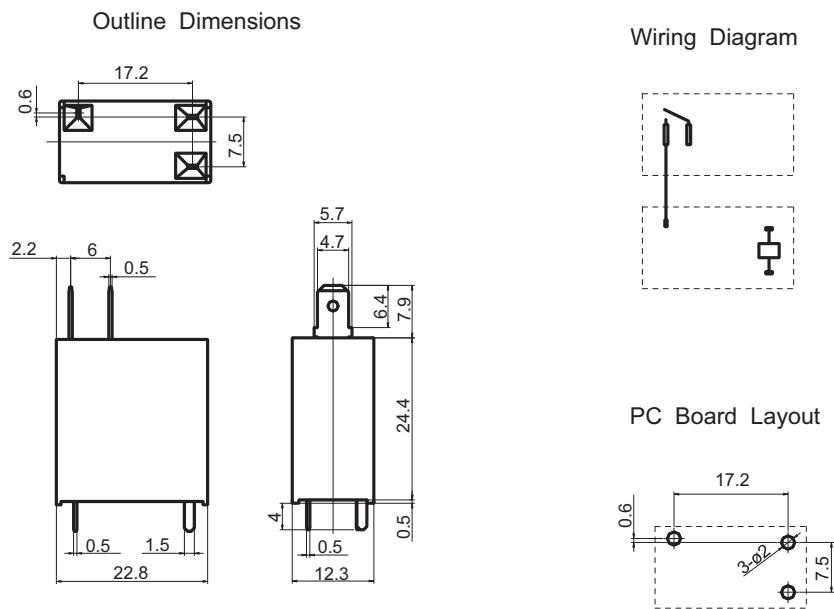
HONGFA RELAY
ISO9001、ISO/TS16949、ISO14001 CERTIFIED

VERSION: EN02-20040601

ORDERING INFORMATION

	JQC-25 F /	012	H	S	XXX
Type					
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

