

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
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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.

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

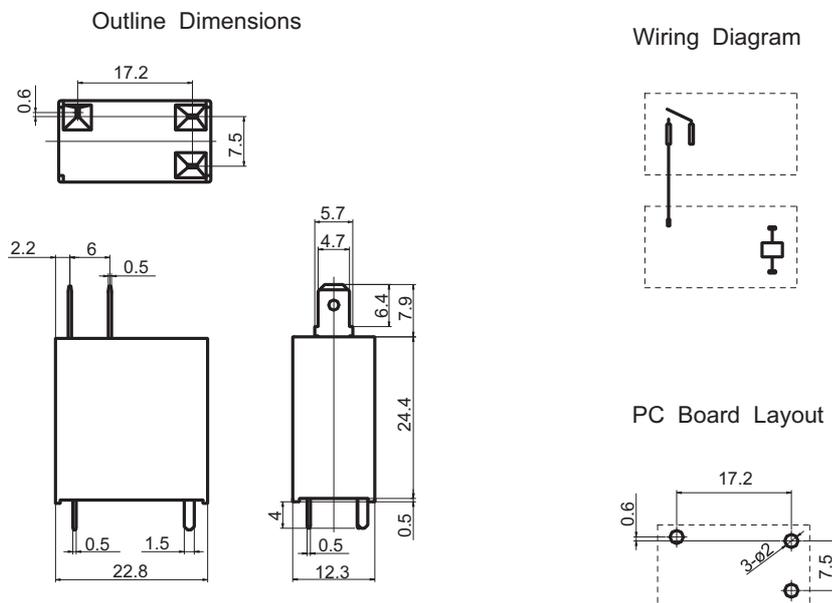
UL	20A 250VAC
	16A 30VDC
Tüv	1.5HP 250VAC
	20A 250VAC, cos phi =1
	16A 30VDC



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

