

# JZC-7FF

## SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:E134517



File No.:CQC02001001942



### Features

- \* Low cost, Small package.
- \* 1 Form A and 1 Form C contact arrangements.
- \* Sealed & Unsealed types available.

### CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance Max.	100mΩ (at 1A 6VDC)	
Contact Material	AgCe, AgSnO	
Contact Rating (Res. Load)	5A 240VAC/30VDC 10A 240VAC/28VDC	
Max. switching voltage	250VAC/30VDC	
Max. switching current	12A	
Max. switching power	2400VA /280W	
UL/CUR rating	1HT: 12A,277VAC 12A 28VDC 1H: 10A,277VAC 6A, 30VDC	1ZT: 12A,277VAC 12A 28VDC 1Z: 5A,277VAC 5A , 30VDC
Mechanical life	1 x 10 <sup>7</sup> OPS	
Electrical life	1 x 10 <sup>5</sup> OPS	

### COIL

Coil power	0.36W(48VDC 0.51W)	0.36W(48VDC 0.51W)
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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
3	2.40	0.3	3.6	25 ± 10%
5	4.00	0.5	6.0	70 ± 10%
6	4.80	0.6	7.2	100 ± 10%
9	7.20	0.9	10.8	225 ± 10%
12	9.60	1.2	14.4	400 ± 10%
18	14.4	1.8	21.6	900 ± 10%
24	19.2	2.4	28.8	1600 ± 10%
48	38.4	4.8	57.6	4500 ± 10%

### CHARACTERISTICS

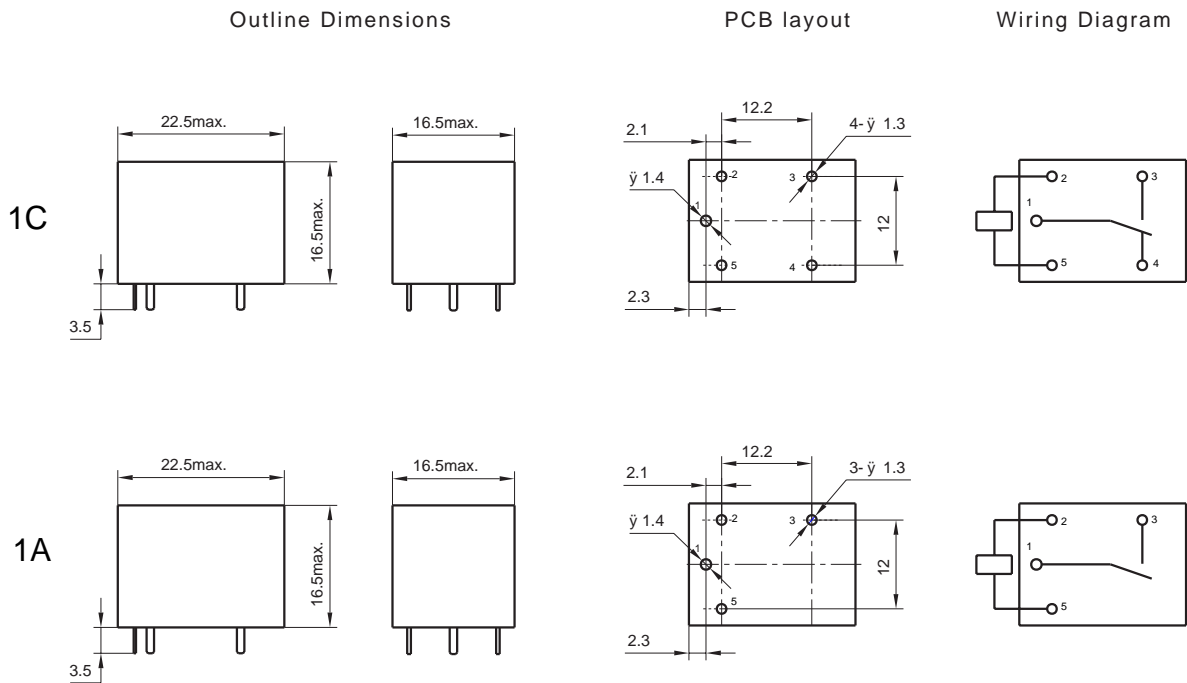
Initial Insulation Resistance	100MΩ	
Dielectric Strength	Between coil and Contacts	1500Vrms
	Between open contacts	750Vrms
Operate time (at nomi. Volt.)	10ms	
Release time (at nomi. Volt.)	5ms	
Temperature rise (at nomi. Volt.)	40°C (48VDC:50°C)	
Shock Resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Vibration Resistance	1.5mm, 10 to 55Hz	
Humidity	35 to 95%RH	
Ambient temperature	-40°C to 70°C	
Termination	PCB	
Unit weight	13g	
Construction	Sealed & Unsealed	



## ORDERING INFORMATION

Type	JZC-7FF / 012	1H	T	S
Coil voltage	3, 5, 6, 9, 12, 18, 24, 48VDC			
Contact arrangement	1H:1 Form A 1Z:1 Form C			
Contact Material	T: AgSnO(10A) Nil: Silver alloy(5A)			
Structure	Nil: Unsealed S: Sealed			

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



## CHARACTERISTICS CURVE

