

# JZC-32F

## SUBMINIATURE INTERMEDIATE POWER RELAY



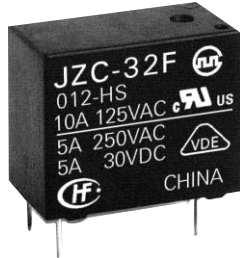
File No.:E133481



File No.:115366



File No.:CQC02001001942



### Features

- 5A,10A switching capabilities
- SPST-NO and SPDT configurations
- Subminiature, standard PCB layout
- Sealed and Unsealed types available

### CONTACT DATA

Contact Arrangement	1A, 1C		
Initial Contact Resistance Max.	100mΩ (at 1A 24VDC)		
Contact Material	AgCdO		
	SPST-NO		SPDT
Contact Rating (Res. Load)	Standard H: 5A 250VAC 5A 30VDC 10A 125VAC	Sensitive HL: 3A 250VAC 3A 30VDC HLQ: 8A 250VAC	Standard 3A 250VAC 3A 30VDC
Max. switching voltage	250VAC/30VDC		
Max. switching current	10A		
Max. switching power	1250VA/150W		
Mechanical life	1x 10 <sup>7</sup> OPS		
Electrical life	1 x 10 <sup>5</sup> OPS		

### 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	2.25	0.15	3.9	20 ± 10%
5	3.75	0.25	6.5	55 ± 10%
6	4.50	0.30	7.8	80 ± 10%
9	6.75	0.45	11.7	180 ± 10%
12	9.00	0.60	15.6	320 ± 10%
18	13.5	0.90	23.4	720 ± 10%
24	18.0	1.20	31.2	1280 ± 10%

#### Sensitive Type (SPST-NO only)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.25	0.15	4.5	45 ± 10%
5	3.75	0.25	7.5	125 ± 10%
6	4.50	0.30	9.0	180 ± 10%
9	6.75	0.45	13.5	400 ± 10%
12	9.00	0.60	18.0	720 ± 10%
18	13.5	0.90	27.0	1600 ± 10%
24	18.0	1.20	36.0	2800 ± 10%

### CHARACTERISTICS

Initial Insulation Resistance	100MΩ 500VDC	
Dielectric Strength	Between coil and Contacts	2500VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)	8ms	
Release time (at nomi. Volt.)	5ms	
Ambient temperature	Standard	-40°C to +70°C
	High Capacity	-40°C to +60°C
Humidity	35% to 95%	
Shock Resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Vibration Resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 6g	
Construction	Sealed & Unsealed	

### COIL

Coil power	Standard:0.45W Sensitive:0.2W
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### SAFETY APPROVAL RATINGS

UL	1 Form A :	H: 5A 250VAC 5A 30VDC 5A 125VAC
	1 Form C :	HL,Z: 3A 250VAC/30VDC
VDE	1 Form A :	H: 5A 250VAC 5A 30VDC
	1 Form C :	HL,Z: 3A 250VAC/30VDC

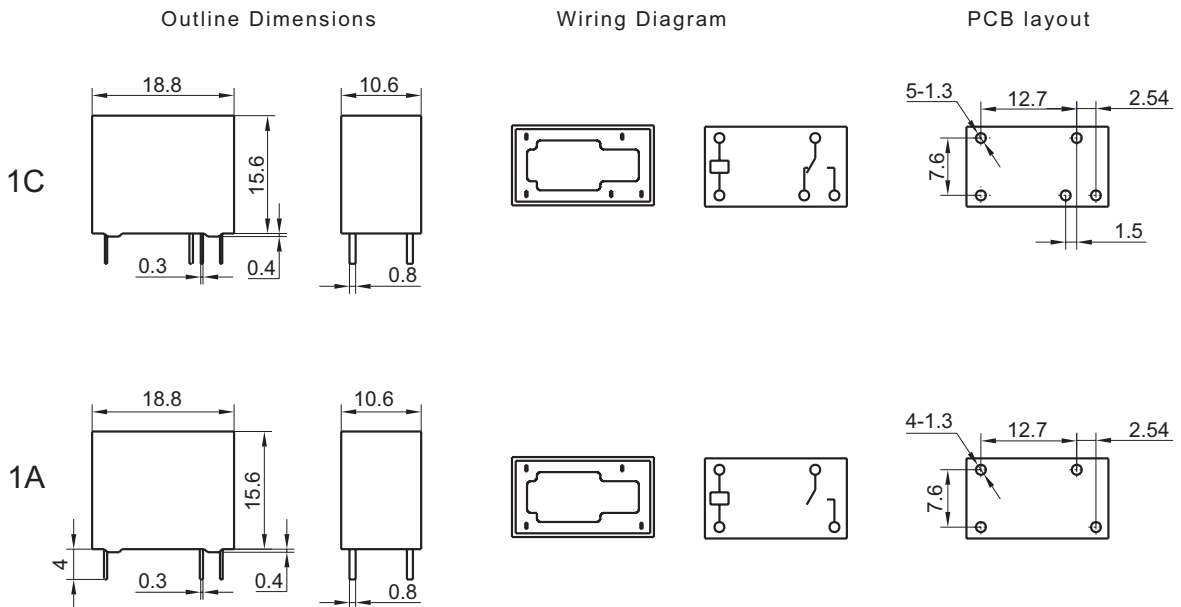


## ORDERING INFORMATION

Type	JZC-32F / 012 H S L Q
Coil voltage	3, 5, 6, 9, 12, 18, 24VDC
Contact arrangement	H:1Form A Z:1Form C
Structure	Nil: Unsealed S: Sealed
Coil Power	L: Sensitive (SPST-NO only) Nil: Standard
Contact Capacity	Q: High Capacity (SPST-NO Sensitive type only) Nil: Standard

Note: Sensitive type only suit for SPST-NO

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



## CHARACTERISTICS CURVE

