

# JQX-13F

## MINIATURE INTERMEDIATE POWER RELAY



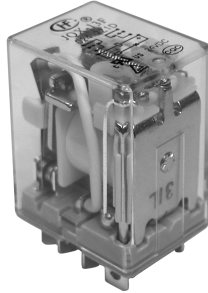
File No.:E133481



File No.:R9857445



File No.:CQC02001001941



### Features

- \* 15A switching capabilities
- \* 1&2 pole configurations
- \* 1.5KV dielectric between coil to contacts
- \* Various terminals available
- \* Various sockets available
- \* Conform to the CE low voltage directive

### CONTACT DATA

Contact Arrangement	1C	2C
Initial Contact Resistance Max.	50mΩ(at 1A 24VDC)	
Contact Material	Silver Alloy	
Contact Rating (Res. Load)	1C: 15A 220VAC/28VDC 2C: 10A 220VAC/28VDC	
Max. switching voltage	250VAC/28VDC	
Max. switching current	15A	10A
Max. switching power	3750VAC/450W	2200VAC/280W
Mechanical life	2 x 10 <sup>7</sup> OPS	
Electrical life	1 x 10 <sup>5</sup> OPS	

### COIL

Coil power	DC:0.9W AC:1.2VA
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### COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω
5	4.0	0.5	27.5 ± 10%
6	4.8	0.6	40 ± 10%
12	9.6	1.2	160 ± 10%
24	19.2	2.4	650 ± 10%
48	38.4	4.8	2600 ± 15%
110	88.0	11.0	11000 ± 15%

### CHARACTERISTICS

Initial Insulation Resistance	500MΩ, 500VAC	
Dielectric Strength	Between coil and Contacts	1500VAC 1min.
	Between open contacts	1000VAC 1min.
	Between contact sets	1500VAC 1min.
Operate time (at nomi. Volt.)	25ms	
Release time (at nomi. Volt.)	25ms	
Shock Resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Vibration Resistance	1 mm, 10 to 55Hz	
Humidity	98%RH, +40°C	
Ambient temperature	-40°C to +70°C	
Termination	PCB & Plug-in	
Unit weight	37g	
Construction	Dust cover	

Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Coil Resistance Ω
6	4.80	1.8	11.5 ± 10%
12	9.60	3.6	46 ± 10%
24	19.2	7.2	184 ± 10%
48	38.4	14.4	735 ± 10%
120	96.0	36.0	4550 ± 15%
220/240	176.0	66.0	14400 ± 15%

### SAFETY APPROVAL RATINGS

UL	1C:	15A 250VAC/30VDC
	2C:	10A 250VAC/30VDC
TÜV		2C: 10A 250VAC/30VDC



HONGFA RELAY  
ISO9001\*ISO/TS16949 \*ISO14001 CERTIFIED

VERSION: EN02-20040601

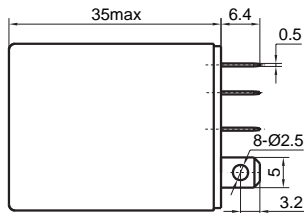
## ORDERING INFORMATION

	<b>JQX-13F /</b>	<b>A</b>	<b>012</b>	<b>2Z</b>	<b>1</b>	<b>D</b>	<b>016</b>
<b>Type</b>							
<b>Coil Source</b> A: AC Nil: DC							
<b>Coil voltage</b> AC: 5 to 110VDC DC: 6 to 240VAC							
<b>Contact arrangement</b> 1Z: 1 Form C 2Z: 2 Form C							
<b>Mounting Termination</b> 1: Type 1 (Socket) 2: Type 2 (PCB) 3/4/5: Type 3/4/5 (Flange-Mounting) See the following							
<b>LED</b> D: With LED Nil: Without LED							
<b>Customer special request code</b> (For example: (016) pin number 1,2,3,4,5,6,7,8)							

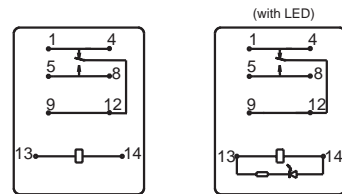
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

JQX-13F/ -1Z1

Outline Dimensions



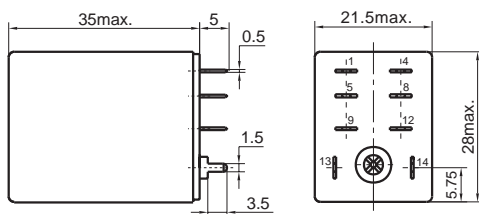
Wiring Diagram



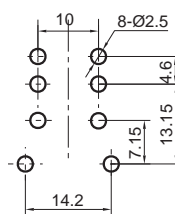
(Bottom view)

JQX-13F/ -2Z2

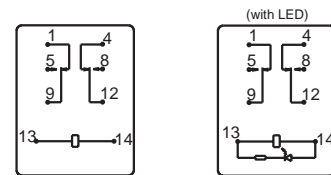
Outline Dimensions



PCB layout



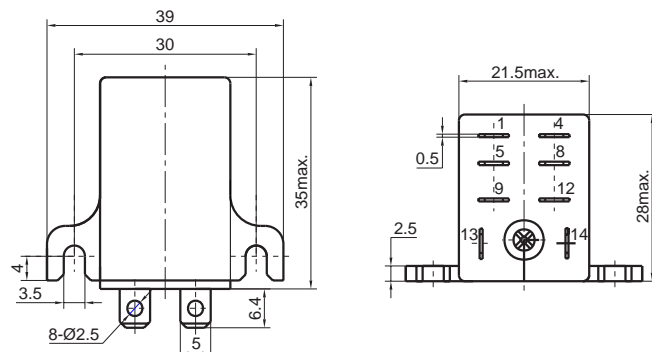
Wiring Diagram



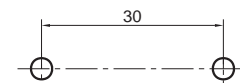
(Bottom view)

JQX-13F/ -2Z4

Outline Dimensions

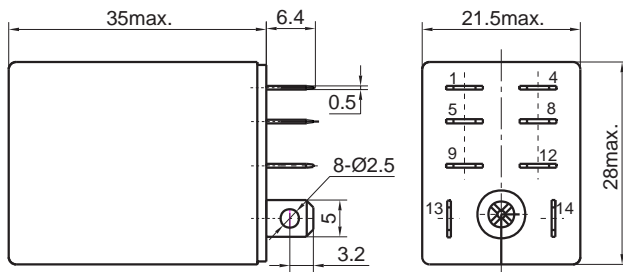


PCB layout

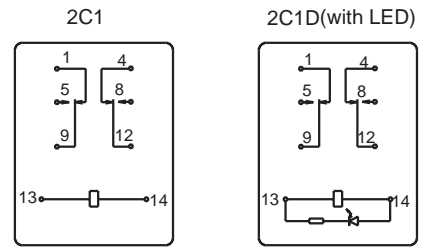


JQX-13F/ -2Z1

Outline Dimensions



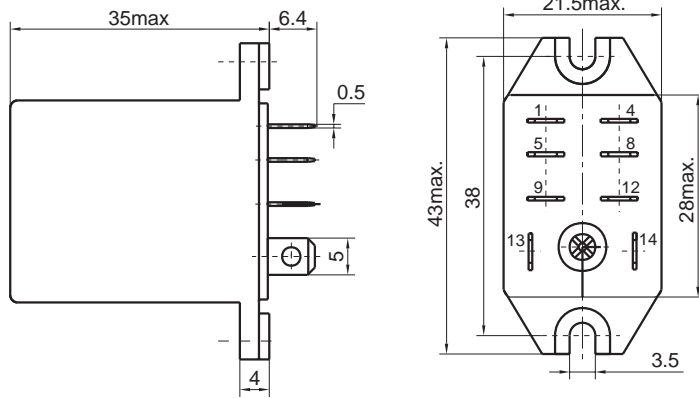
Wiring Diagram



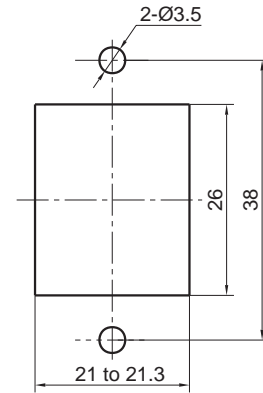
(Bottom view)

JQX-13F/ -2Z3

Outline Dimensions

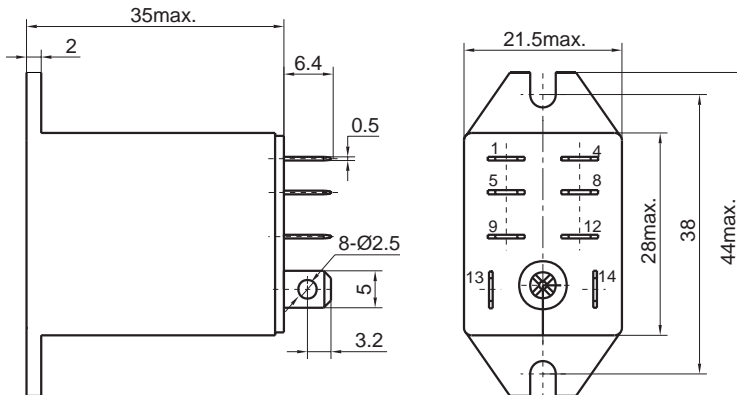


PCB layout

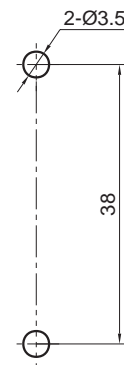


JQX-13F/ -2Z5

Outline Dimensions

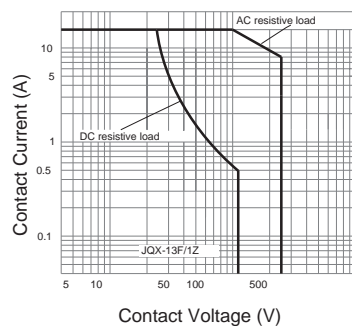


PCB layout



## CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER(1C)



MAXIMUM SWITCHING POWER(2C)

