

FL-7FF

PC Board Relay

 E173485

21.2×16.0×17.0



- Extremely low cost
- SPST-NO&SPDT configurations
- Standard PC layout
- Sealed type available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ=1)
Contact Ratings	1H:10A 240VAC 12A 120VAC 1Z:7A 240VAC 10A 120VAC
Minimum load	100mA 5VDC
Max Switching Voltage	240VAC
Max Switching Current	12A
Max Switching Power	2400VA/240W
Contact Resistance	100mΩ Max at 6VDC 1A
Electrical	100,000 Operations(at300Operations/minute)
Mechanical	10,000,000 Operations(at3000Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Between Open Contacts	750VAC(for one minute)
Between Contacts and Coil	1500VAC(for one minute)
Operate Time	10ms
Release Time	5ms
Temperature Range	-40℃to+70℃
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 10g

APPROVED STANDARDS

UL & cUL	H: 10A 240VAC 12A 120VAC Z: 10A 120VAC 7A 240VAC
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COIL DATA

at 20℃

Coil Power 0.36W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
3	120	2.25	0.3	25
5	71.4	3.75	0.5	69
6	60	4.5	0.6	100
9	40	6.75	0.9	225
12	30	9	1.2	400
24	15	18	2.4	1600
48	7.5	36	4.8	6400

Coil Power 0.45W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
3	150	2.25	0.15	20
5	89.2	3.75	0.25	56
6	75	4.5	0.3	80
9	50	6.75	0.45	180
12	37.5	9	0.6	320
24	18.7	18	1.2	1280
48	9	36	2.4	5100

OPDERING CODE

FL-7FF	—	S	—	Z	/	12VDC
1		2		3		4
1. Relay Model 2. Sealed 3. Contact Form H: Form A D: Form A Z: Form C 4. Coil Nominal Voltage 3,5,6,9,12,24,48VDC						

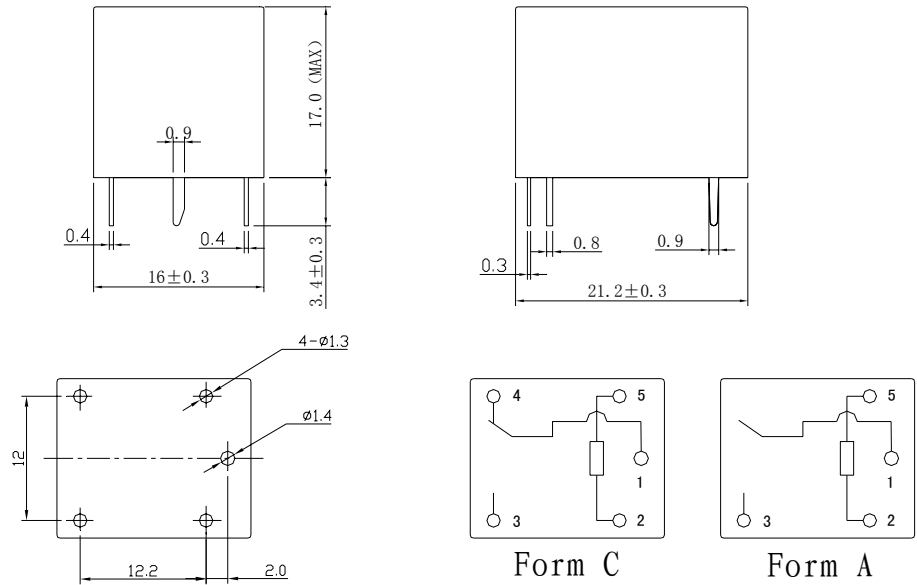


FLOURISHING RELAY

NINGBO FLOURISHING PRECISION ELECTRON CO.,LTD

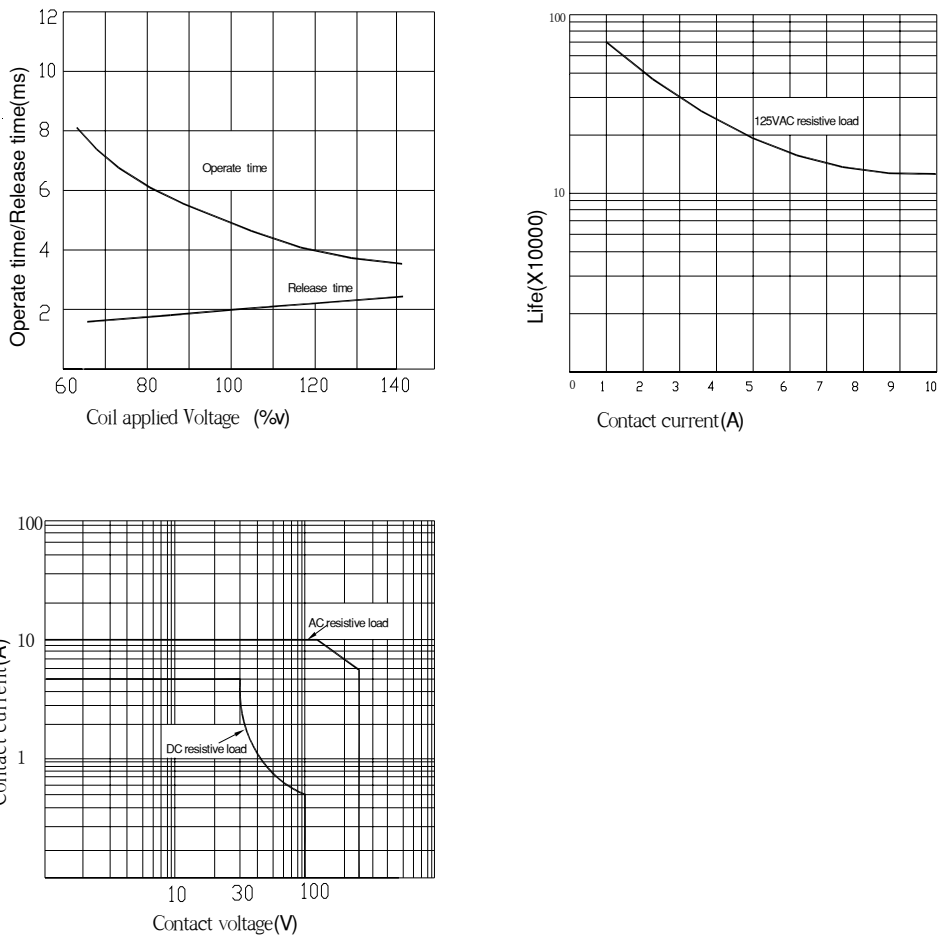
2008.12 B 版

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



Layout (Bottom View)

ENGINEERING DATA



FLOURISHING RELAY

The specifications are for the customer's reference and are subject to change without notice.