

FL-78F(FLKM)

PC Board Relay

 us E173485

15.5×12.3×14.0



- 20A switching capability
- Small size auto relay
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ=1)
Contact Ratings	NO: 20A 14VDC NC: 12A 14VDC 1Z: 7A 120VAC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/16VDC
Max Switching Current	25A
Max Switching Power	840VA/280W
Contact Resistance	100m Ω Max at 6VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Between Open Contacts	500VAC(for one minute)
Between Contacts and Coil	500VAC(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	35-85%
Weight	Approx 6g

COIL DATA

at 20℃

Coil Power 0.6W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
6	100	3.9	0.48	60
9	66.7	5.85	0.72	135
12	50	7.8	0.96	240
24	25	15.6	1.92	960

Coil Power 0.8W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
6	133.3	3.9	0.48	45
9	88.9	5.85	0.72	100
12	66.7	7.8	0.96	180
24	33.3	15.6	1.92	720

OPDERING CODE

FL-78F D — S — Z /12VDC
1 2 3 4 5

- Relay Model : FL-78F or TRKM
- Coil Power
D=0.8W, L=0.6W
- Sealed
- Contact Form
H: Form A
Z: Form C
- Coil Nominal Voltage
6,9,12,24VDC

APPROVED STANDARDS

UL & cUL	NO:20A 14VDC NC: 7A 120VAC 12A 14VDC
----------	---

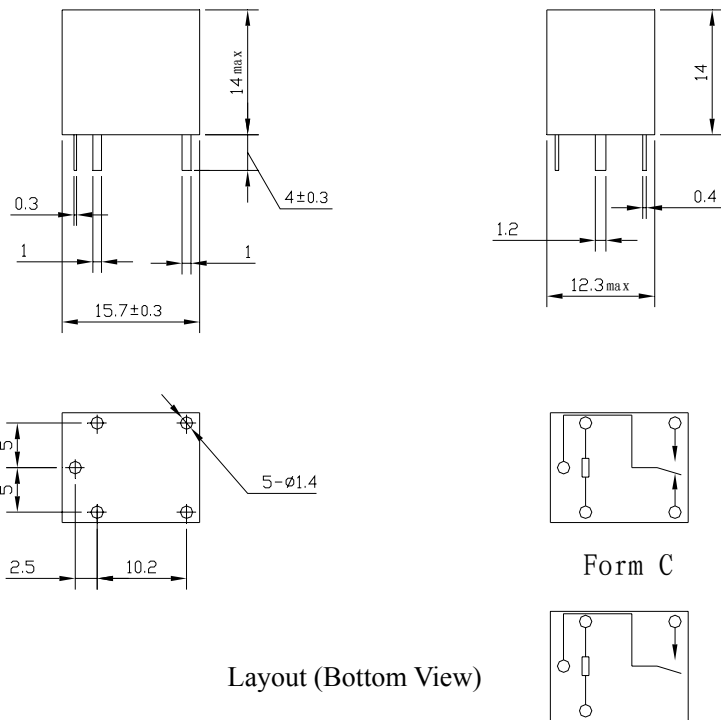


FLOURISHING RELAY

NINGBO FLOURISHING PRECISION ELECTRON CO.,LTD

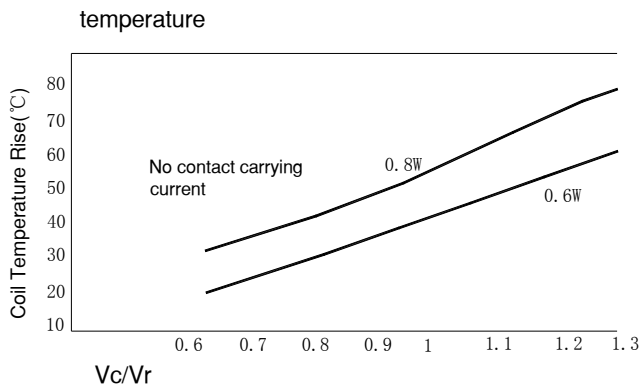
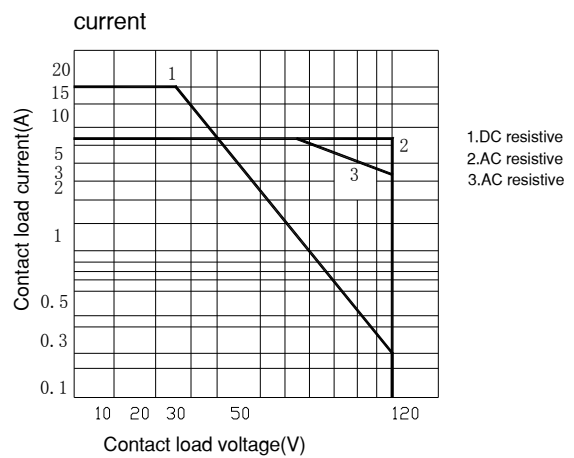
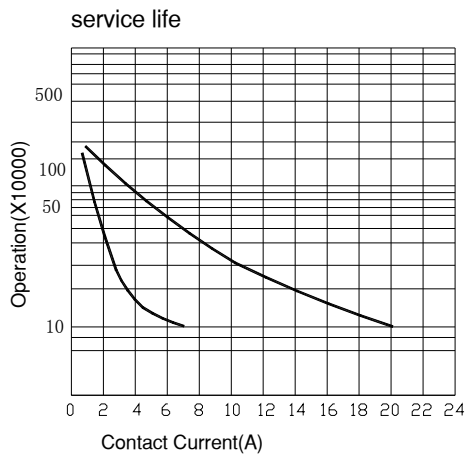
2008.12 B

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.