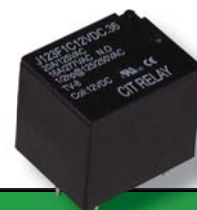


# J123F

19.5 x 16.1 x 17.1 mm

**RoHS Compliant**

E197852



## Features

- UL F class rated standard
- Small size and light weight
- Capable of handling 1000W lamp loads
- Designed to withstand high inrush loads (100A)

## Contact Data

Contact Arrangement	1A = SPST N.O. 1C = SPDT
Contact Rating	20A @ 125VAC 16A @ 277VAC 10A @ 250VAC - General Purpose 20k cycles, 85C  TV-8, 120VAC 1hp @ 125/250 N.O. 1/2hp @ 125/250 N.C.

Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>
Maximum Switching Power	500W, 4500VA
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	20A

## Coil Data

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.36W	.45W	75% of rated voltage	10% of rated voltage			
5	6.5	70	56	3.75	.5	.36 .45	10	5
6	7.8	100	80	4.50	.6			
9	11.7	225	180	6.75	.9			
12	15.6	400	320	9.00	1.2			
24	31.2	1600	1280	18.00	2.4			
48	62.4	6400	5120	36.00	4.8			

## General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	2500V rms min. @ sea level 1500V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +155°C
Solderability	260°C for 5 s
Weight	10g

### Caution

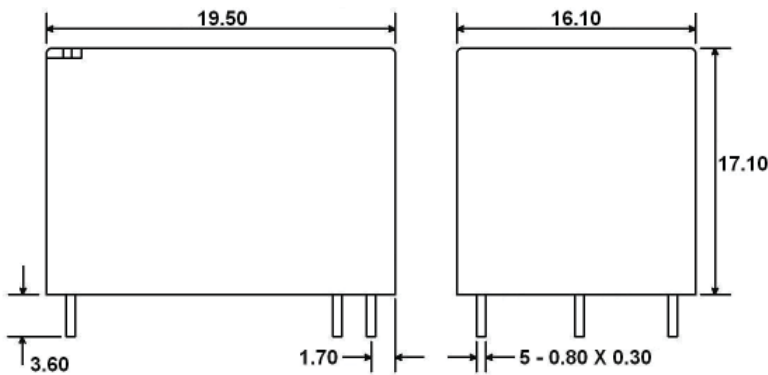
1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

## Ordering Information

1. Series	J123F	1C	12VDC	.36
J123F				
2. Contact Arrangement	1A = SPST N.O. 1C = SPDT			
3. Coil Voltage	5VDC 6VDC 9VDC 12VDC 24VDC 48VDC			
4. Coil Power	.36 = .36W .45 = .45W			
5. Sealing Option	Blank = Sealed (standard)			

## Dimensions

Units = mm



## Schematics & PC Layouts

Bottom Views

