

RoHS  
Compliant

## Application

Wide variety of electronic equipment

## Features

- Very Low resistance, Very High hold current, Solid state, Radial leaded product ideal for up to 16V DC
- Operation Current from 11A to 14A
- Maximum Voltage 16V DC
- Temperature Range from -40°C to +85°C
- UL Approved

## Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Max. Time to trip	Max. Current	Rated Voltage	Typ. Power	Resistance	
							R <sub>MIN</sub>	R <sub>1MAX</sub>
	I <sub>H</sub> , A	I <sub>T</sub> , A	at 5×I <sub>H</sub> , S	I <sub>MAX</sub> , A	V <sub>MAX</sub> , V DC	P <sub>d</sub> , W	Ω	Ω
MC011370	11	18.7	13.5	100	16	3.7	0.003	0.010
MC011371	12	20.4	16	100	16	4.2	0.002	0.009
MC011372	14	23.8	20	100	16	4.6	0.002	0.008

**I<sub>H</sub>** = Hold current-maximum current at which the device will not trip at 23°C still air.

**I<sub>T</sub>** = Trip current-minimum current at which the device will always trip at 23°C still air.

**V<sub>MAX</sub>** = Maximum voltage device can withstand without damage at its rated current.

**I<sub>MAX</sub>** = Maximum fault current device can withstand without damage at rated voltage (V max).

**P<sub>d</sub>** = Typical power dissipated from device when in the tripped state in 23°C still air environment.

**R<sub>MIN</sub>** = Minimum device resistance at 23°C.

**R<sub>1MAX</sub>** = Maximum device resistance at 23°C 1 hour after tripping.

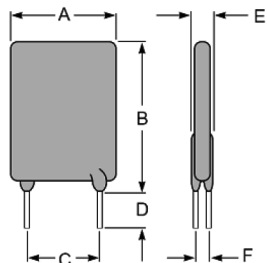
## Physical Specifications

Lead Material : MC011370 - 16F Tin plated copper, 20 AWG.  
MC011371 & MC011372 - 16F Tin plated copper, 18 AWG.

Soldering Characteristics : MIL-STD-202, Method 208E.

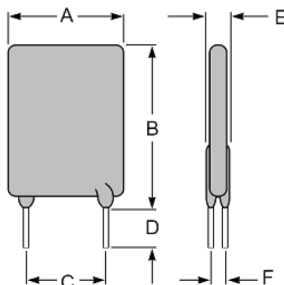
Insulating Coating : Flame retardant epoxy, meet UL-94V-0 requirement.

## Dimensions



**Figure 1**

Lead Size: 20AWG  
Φ0.81mm Diameter



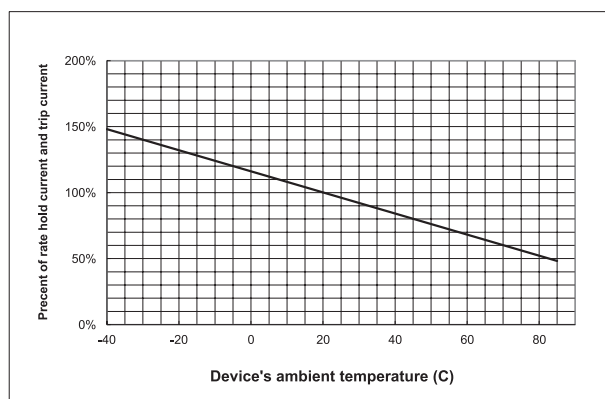
**Figure 2**

Lead Size: 18AWG  
Φ1mm Diameter

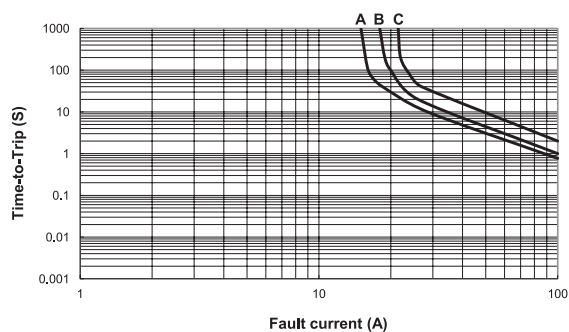
Part Number	Figure	A	B	C	D	E	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
MC011370	1	17.5	26	5.1	7.6	3	1.2
MC011371	2	17.5	28	10.2	7.6	3.6	1.4
MC011372		27.9	27.9	10.2	7.6	3.6	1.4

Dimensions : Millimetres

## Thermal Derating Curve



## Typical Time-To-Trip at 23°C



A = MC011370  
B = MC011371  
C = MC011372

## Part Number Table

Description	Part Number
PTC Resettable Fuse, 11A, 16V DC, Through Hole	MC011370
PTC Resettable Fuse, 12A, 16V DC, Through Hole	MC011371
PTC Resettable Fuse, 14A, 16V DC, Through Hole	MC011372

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