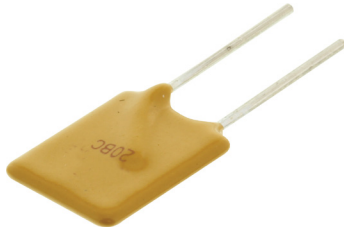


# Radial Leaded PTC Resettable Fuse

# multicomp<sup>PRO</sup>

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
- UL and TUV Approved

## Specifications

Operation Current	: 8A
Maximum Voltage	: 16V
Temperature Range	: -40°C to +85°C

## 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 5X I <sub>H</sub> , S	I <sub>MAX</sub> , A	V <sub>MAX</sub> , V <sub>DC</sub>	P <sub>d</sub> , W	Ω	Ω
MC36180	8	13.6	9	100	16	3	0.005	0.018

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.

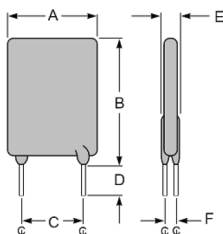
## Physical specifications:

Lead material: Tin plated copper, 20 AWG.

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

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

## Production Dimensions



Lead Size: 20AWG  
Ø0.81mm

A	B	C	D	E	F
Maximum	Maximum	Typical	Minimum	Maximum	Typical
12.7mm	20.9mm	5.1mm	7.6mm	3mm	1.2mm

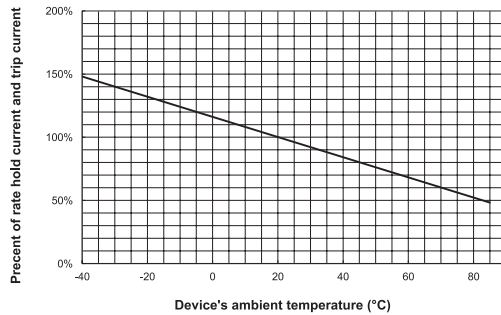
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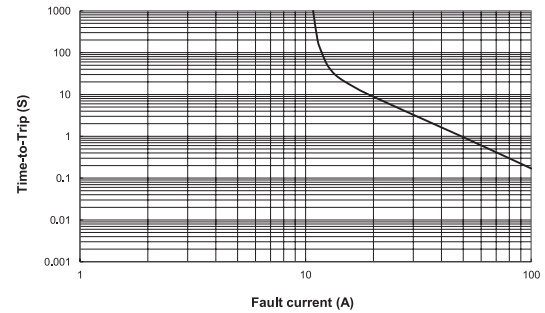
# Radial Leaded PTC Resettable Fuse

**multicomp**PRO

### Thermal Derating Curve



### Typical Time-To-Trip at 23°C



### Part Number Table

Description	Holding Current	Trip Current	Part Number
Radial Leaded PTC Resettable Fuse, 16V DC	8A	13.6A	MC36180

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