

Radial Leaded PTC Resettable Fuse **multicomp**PRO

**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 Approved

Specifications

Operation Current : 6A
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 _{MIN}	R _{1MAX}
							Ω	Ω
MC36178	6	10.2	5.8	100	16	2.8	0.009	0.033

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.

I_T=Trip current-minimum current at which the device will always trip at 23°C still air.

V_{MAX}=Maximum voltage device can withstand without damage at its rated current.

I_{MAX}= Maximum fault current device can withstand without damage at rated voltage (V max).

P_d=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN}=Minimum device resistance at 23°C.

R_{1MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

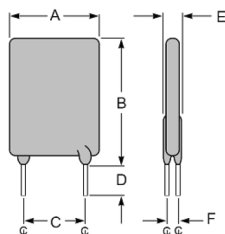
Physical specifications:

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
10.7mm	17.1mm	5.1mm	7.6mm	3mm	1.2mm

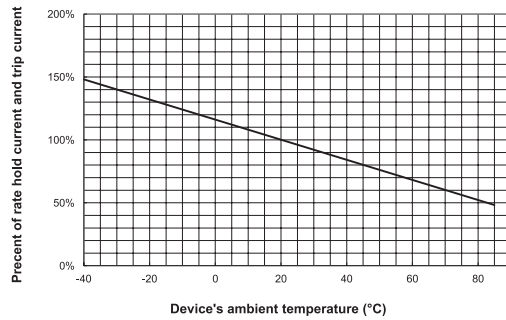
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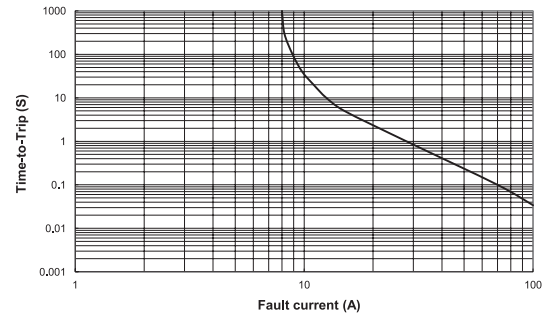
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Thermal Derating Curve



Typical Time-To-Trip at 23°C



Part Number Table

Description	Holding Current	Trip Current	Part Number
Radial Leaded PTC Resettable Fuse, 16V DC	6A	10.2A	MC36178

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