

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 : 2.5A
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}
	I _H , A	I _T , A	at 5X I _H , S	I _{MAX} , A	V _{MAX} , VDC	P _d , W	Ω	Ω
MC36177	2.5	4.7	5	100	16	1	0.022	0.053

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_{MAX}=Maximum device resistance at 23°C.

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

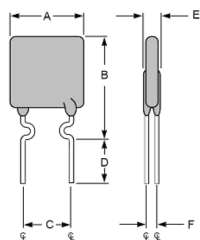
Physical specifications:

Lead material: 24 AWG Tin/Lead plated copper clad steel.

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

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

Production Dimensions



Lead Size: 24AWG
Ø0.51mm

A	B	C	D	E	F
Maximum	Maximum	Typical	Minimum	Maximum	Typical
8.9mm	12.8mm	5.1mm	7.6mm	3mm	1.2mm

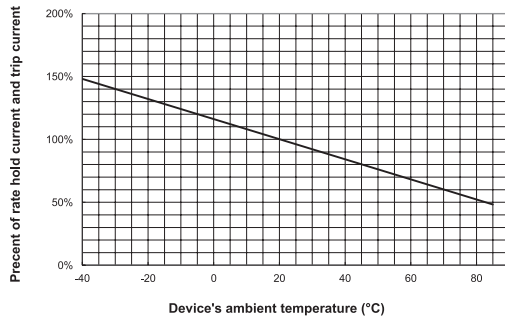
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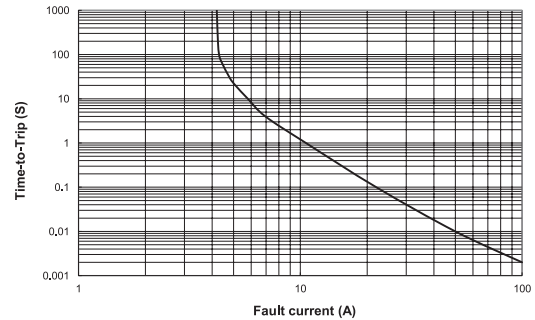
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Thermal Derating Curve



Typical Time-To-Trip at 23°C



Part Number Table

Description	Holding Current	Trip Current	Part Number
Radial Leaded PTC Resettable Fuse, 16V DC	2.5A	4.7A	MC36177

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