# Radial Leaded PTC Resettable Fuse



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	
							RMIN	R1max
	IH, A	IT, A	at 5XIн,S	IMAX, A	VMAX, VDC	Pd, W	Ω	Ω
MC36177	2.5	4.7	5	100	16	1	0.022	0.053

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

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

VMAX=Maximum voltage device can withstand without damage at its rated current.

IMAX= Maximum fault current device can withstand without damage at rated voltage (V max).

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

RMIN=Minimum device resistance at 23°C.

RMAX=Maximum device resistance at 23°C.

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

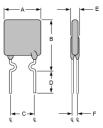
#### Physical specifications:

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

Α	В	С	D	E	F
Maximum	Maximum	Typical	Minimum	Maximum	Typical

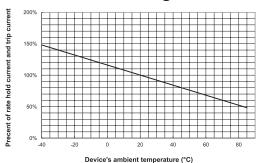
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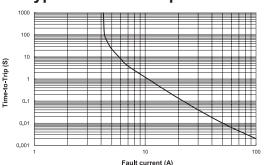
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## **Thermal Derating Curve**



#### 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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