

# Radial Leaded PTC Resettable Fuse



## Specifications:



Applications : Wide variety of electronic equipment  
 Product Features : Very Low resistance, Very High hold current, Solid state,  
 Radial leaded product ideal for up to 30V  
 Operation Current : 7 A  
 Maximum Voltage : 30V  
 Temperature Range : -40°C to 85°C

## Electrical Characteristics (23°C)

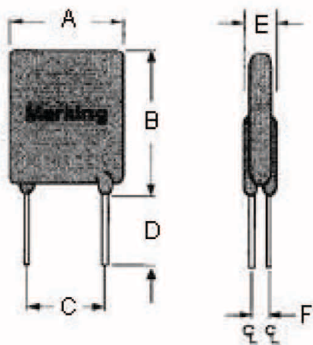
| Hold Current | Trip Current | Maximum Time to trip | Maximum Current | Rated Voltage   | Typical Power | Resistance |            | Part Number |
|--------------|--------------|----------------------|-----------------|-----------------|---------------|------------|------------|-------------|
|              |              |                      |                 |                 |               | R Minimum  | R1 Maximum |             |
| $I_H$ , A    | $I_T$ , A    | at $5x I_H$          | I Maximum, A    | V Maximum, V dc | Pd, W         | ohms       | ohms       |             |
| 7.00         | 14.00        | 17.5                 | 40              | 30              | 3.8           | 0.005      | 0.03       | MC36182     |

$I_H$  = 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 maximum).  
 $P_d$  = Typical power dissipated from device when in the tripped state in 23°C still air environment.  
 $R_{MIN}$  = Minimum device resistance at 23°C.  
 $R1_{MAX}$  = Maximum device resistance at 23°C 1 hour after tripping .

## Physical specifications:

Lead Material : Tin plated Copper  
 Soldering characteristics : MIL-STD-202, Method 208E.  
 Insulating coating : Flame retardant epoxy.

## Production Dimensions (millimetre)



### Specification Table

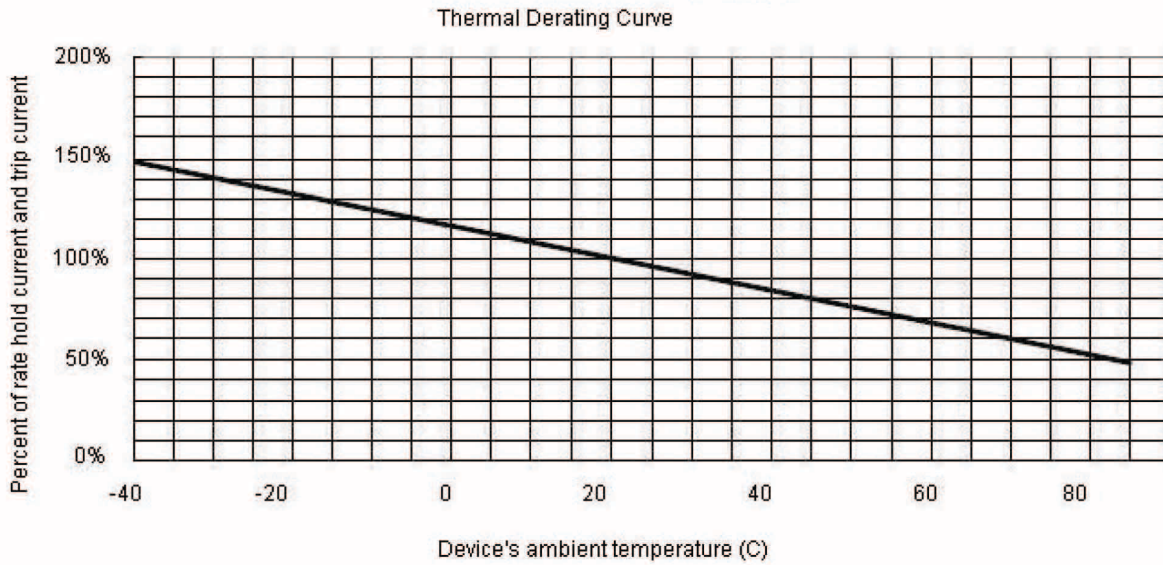
| A       | B       | C       | D       | E       | F       | Part Number |
|---------|---------|---------|---------|---------|---------|-------------|
| Maximum | Maximum | Typical | Minimum | Maximum | Typical |             |
| 19.1    | 26.7    | 10.2    | 7.6     | 3.0     | 1.2     | MC36182     |

Lead Size : 20 AWG  
 Ø0.81 mm Diameter

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## Thermal Derating Curve



## Typical Time-To-Trip at 23°C

K = MC36182

