Radial Leaded PTC Resettable Fuse

Specifications:

RoHS Compliant

Applications : Wide variety of electronic equipment.
Product features : Low resistance, high hold current, solid state, radial leaded product ideal for up to 30V.
Maximum voltage : 30V.
Temperature range : -40°C to 85°C.

UL : E-345437

Electrical Characteristics (23°C)

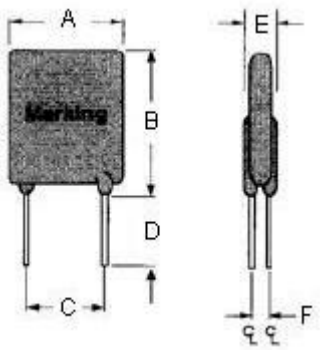
Hold Current	Trip Current	Maximum Time to Trip	Maximum Current	Rated Voltage	Typical Power	Resistance		Part Number
						R_{Min}	$R1_{Max}$	
I_H, A	I_T, A	at 5 x I_H	I_{Max}, A	V_{Max}, V dc	P_d, W	Ω	Ω	
7.00	14.00	17.5	40	30	3.8	0.005	0.03	MC36182

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)



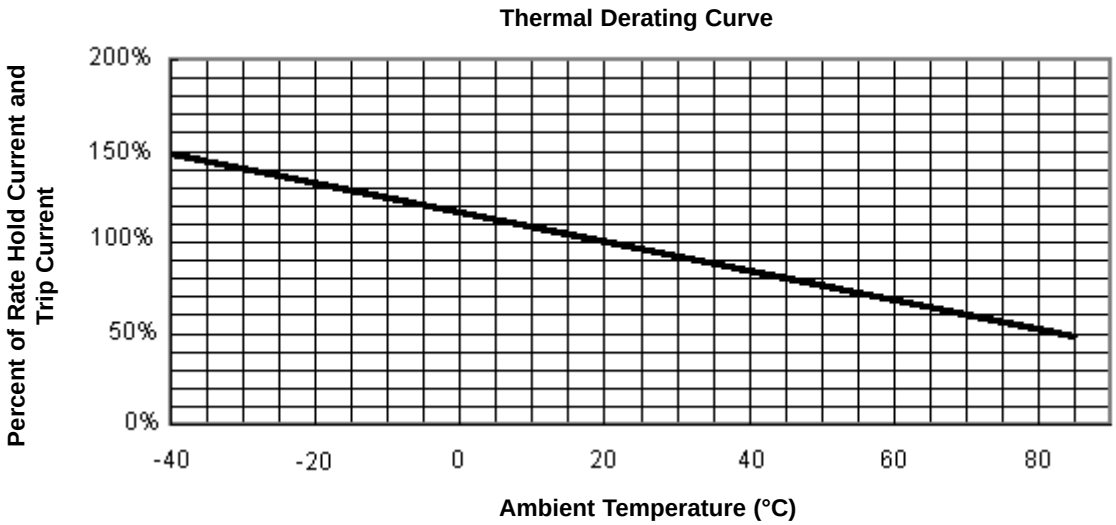
Lead Size : 20 AWG
Ø0.81 mm Diameter

Dimensions 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

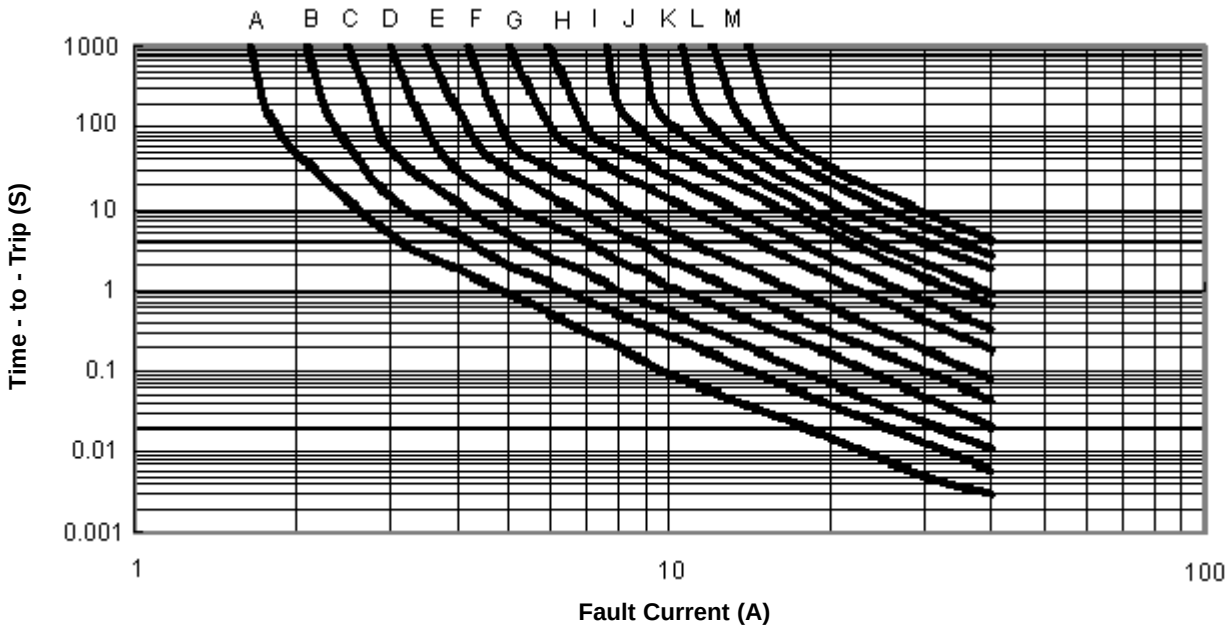
Dimensions : Millimetres

Thermal Derating Curve



Typical Time-To-Trip at 23°C

K = MC36182



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Material Specification

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Insulating coating	: Flame retardant epoxy.

Part Number Table

Description	Part Number
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