Radial Leaded PTC Resettable Fuse

Specifications:

RoHS Compliant

Applications : Telecom and wide variety of electronic equipment.
Product features : Low hold current, solid state, radial leaded product ideal for up to 90V.
Maximum voltage : Up to 90V.
Temperature range : -40°C to 85°C.

UL : E-345437

Electrical Characteristics (23°C)

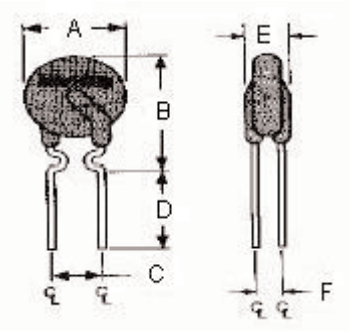
Hold Current	Trip Current	Maximum Time to Trip	Maximum Current	Rated Voltage	Typical Power	Resistance		Part Number
						R_{Min}	$R1_{Max}$	
I_H, A	I_T, A	at 5 x I_H	I_{Max}, A	V_{Max}, V dc	P_d, W	Ω	Ω	
0.10	0.20	4.0	40	72/90	0.38	2.50	7.50	MC36184
0.15	0.35	10.0	40	72/90	0.70	2.40	7.00	MC36185
0.17	0.34	3.0	40	72/90	0.48	2.00	8.00	MC36186
0.35	0.75	10.0	40	72/90	1.30	0.70	2.50	MC36190
0.55	1.20	10.0	40	72/90	1.50	0.40	1.50	MC36193

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)



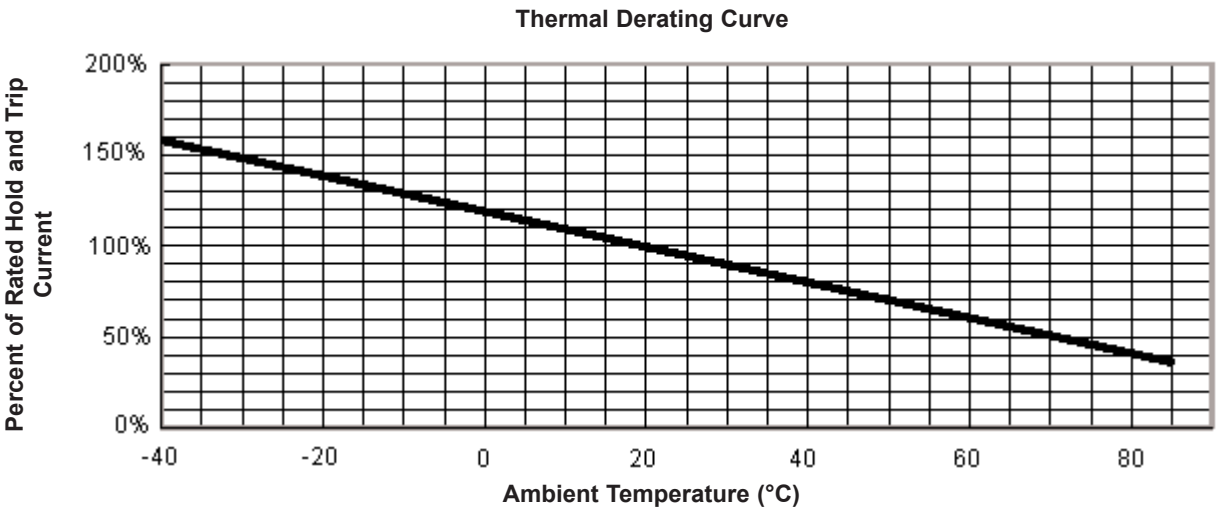
Lead Size : 24 AWG
Ø0.51 mm Diameter

Dimensions Table

A	B	C	D	E	F	Part Number
Maximum	Maximum	Typical	Minimum	Maximum	Typical	
7.4	12.7	5.1	7.6	3.1	1.1	MC36184
7.4	12.7	5.1	7.6	3.1	1.1	MC36185
7.4	12.7	5.1	7.6	3.1	1.1	MC36186
7.4	12.7	5.1	7.6	3.1	1.1	MC36190
9.7	14.0	5.1	7.6	3.1	1.1	MC36193

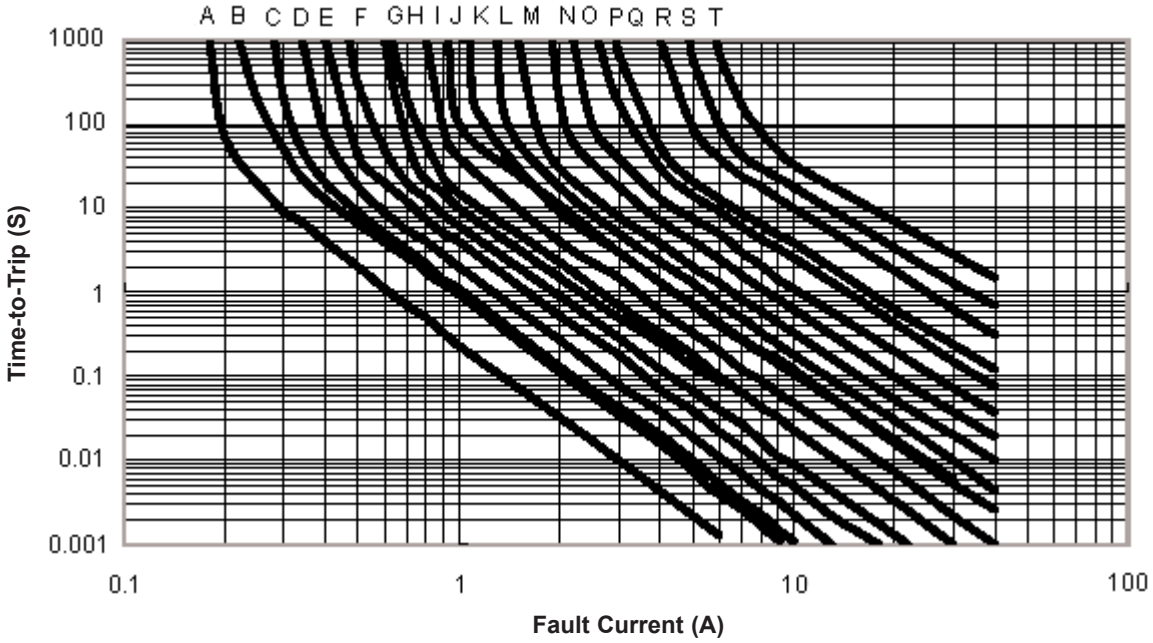
Dimensions : Millimetres

Thermal Derating Curve



Typical Time-To-Trip at 23°C

A = MC36184
B = MC36185
C = MC36186
G = MC36190
J = MC36193



Material Specification

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

Part Number Table

Description	Part Number
Radial Leaded PTC Resettable Fuse	MC36184
Radial Leaded PTC Resettable Fuse	MC36185
Radial Leaded PTC Resettable Fuse	MC36186
Radial Leaded PTC Resettable Fuse	MC36190
Radial Leaded PTC Resettable Fuse	MC36193

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