

Radial Leaded PTC Resettable Fuse **multicomp** PRO

**RoHS
Compliant**



Features

- Low hold current
- Solid state

Application

- Telecom and wide Variety of Electronic Equipment

Specifications

Lead Material	: Tin plated copper
Soldering Characteristic	: MIL-DTD-202, Method 208E
Insulating Coating	: Flame retardant epoxy
Operating Current	: 0.05A to 3A
Max. Voltage	: 60V DC
Temperature Range	: -40°C to +85°C

Electrical Characteristics (23°C)

Part Number	Hold Current I _H , A	Trip Current I _T , A	Max. Time to Trip at 5 × I _H	Max. Current I _{MAX} , A	Rated Voltage V _{MAX} , V DC	Typical Power Pd, W	Resistance	
							R _{MIN} Ω	R _{1MAX} Ω
MC36183	0.05	0.1	5	40	60	0.26	7.3	20
MC33169	0.1	0.2	4			0.38	2.5	7.5
MC33170	0.17	0.34	3			0.48	2	8
MC36187	0.2	0.4	2.2			0.41	1.83	4.4
MC36188	0.25	0.5	2.5			0.45	1.25	3
MC36189	0.3	0.6	3			0.49	0.88	2.1
MC36191	0.4	0.8	3.8			0.56	0.55	1.29
MC36192	0.5	1	4			0.77	0.5	1.17
MC36194	0.65	1.3	5.3			0.88	0.31	0.72
MC36195	0.75	1.5	6.3			0.92	0.25	0.6
MC36196	0.9	1.8	7.2			0.99	0.2	0.47
MC36197	1.1	2.2	8.2			1.5	0.15	0.38
MC36198	1.35	2.7	9.6			1.7	0.12	0.3
MC36199	1.6	3.2	11.4			1.9	0.09	0.22
MC36200	1.85	3.7	12.6			2.1	0.08	0.19
MC36201	2.5	5	15.6			2.5	0.05	0.13
MC36202	3	6	19.8			2.8	0.04	0.1

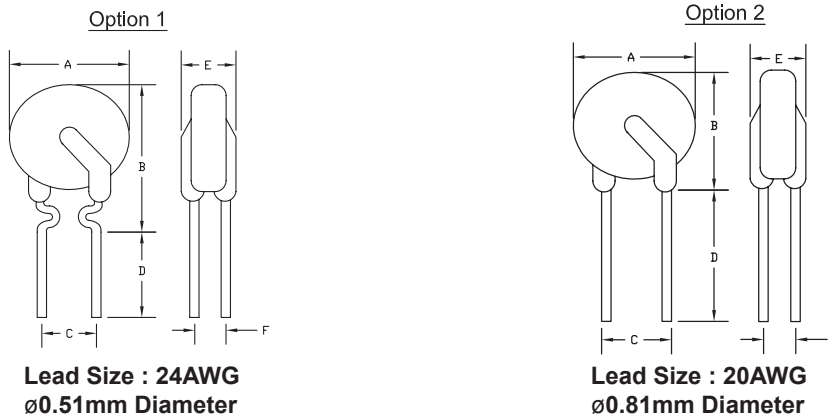
I_H = Hold current-maximum current at which the device will not trip at 23°C still air
I_T = Trip current-minimum current at which the device will always trip at 23°C still air
V_{MAX} = Maximum voltage device can withstand without damage at its rated current
I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V MAX)
Pd = Typical power dissipated from device when in tripped state in 23°C still air environment
R_{MIN} = Minimum device resistance at 23°C
R_{1MAX} = Maximum device resistance at 23°C, 1 hour after tripping

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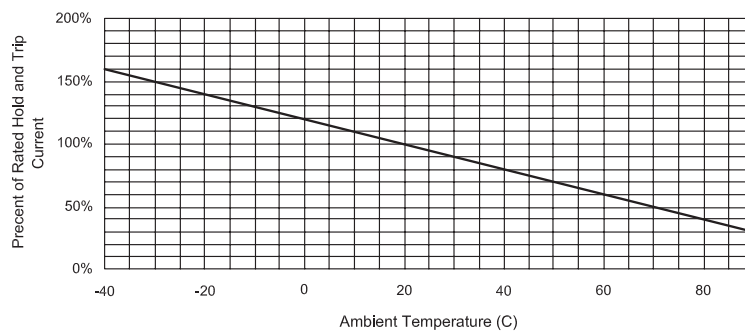
Dimensions



Part Number	A Max.	B Max.	C Typical	D Min.	E Max.	F Typical	Drawing Option
MC36183	7.4	12.7	5.1	7.6	3.1	1.1	Option 1
MC33169							
MC33170							
MC36187							
MC36188							
MC36189	7.6	13.5	10.2	7.6	3.1	1.4	Option 2
MC36191	7.9	13.7					
MC36194	9.7	14.5					
MC36195	10.4	15.2					
MC36196	11.7	15.8					
MC36197	13	18	10.2	7.6	3.1	1.4	Option 2
MC36198	14.5	19.6					
MC36199	16.3	21.3					
MC36200	17.8	22.9					
MC36201	21.3	26.4					
MC36202	24.9	30					

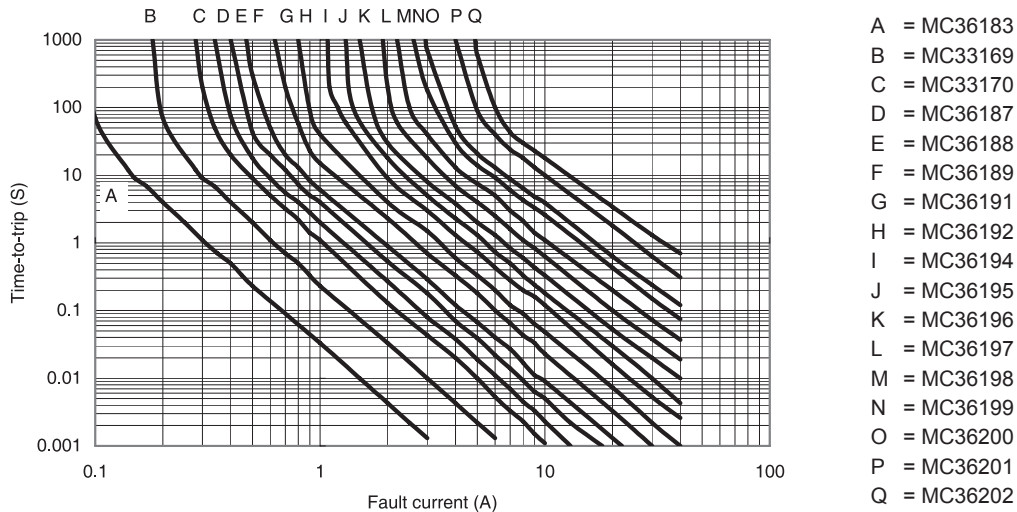
Dimensions : Millimetres

Thermal Derating Curve



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Typical Time-To-Trip at 23°C



Part Number Table

Description	Part Number
50mA Radial Leaded PTC Resettable Fuse	MC36183
100mA Radial Leaded PTC Resettable Fuse	MC33169
170mA Radial Leaded PTC Resettable Fuse	MC33170
200mA Radial Leaded PTC Resettable Fuse	MC36187
250mA Radial Leaded PTC Resettable Fuse	MC36188
300mA Radial Leaded PTC Resettable Fuse	MC36189
400mA Radial Leaded PTC Resettable Fuse	MC36191
500mA Radial Leaded PTC Resettable Fuse	MC36192
650mA Radial Leaded PTC Resettable Fuse	MC36194
750mA Radial Leaded PTC Resettable Fuse	MC36195
900mA Radial Leaded PTC Resettable Fuse	MC36196
1.1A Radial Leaded PTC Resettable Fuse	MC36197
1.35A Radial Leaded PTC Resettable Fuse	MC36198
1.6A Radial Leaded PTC Resettable Fuse	MC36199
1.85A Radial Leaded PTC Resettable Fuse	MC36200
2.5A Radial Leaded PTC Resettable Fuse	MC36201
3A Radial Leaded PTC Resettable Fuse	MC36202

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