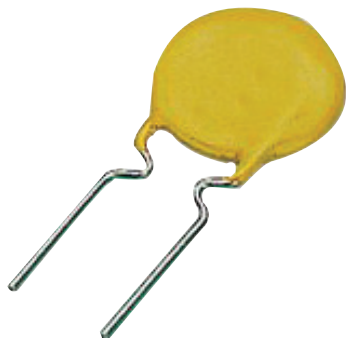


Radial Leaded PTC Resettable Fuse



Specifications:

Lead Material	: Tin plated copper
Soldering Characteristic	: MIL-DTD-202, Method 208E
Insulating Coating	: Flame retardant epoxy
Operating Current	: 100mA to 3.75A
Max. Voltage	: Up to 90V
Temperature Range	: -40°C to 85°C
Applications	: Telecom and wide variety of electronic equipment
Product features	: Low hold current, Solid state, Radial leaded product ideal for up to 90V
Agency Recognition	: UL File E345437



Electrical Characteristics (23°C)

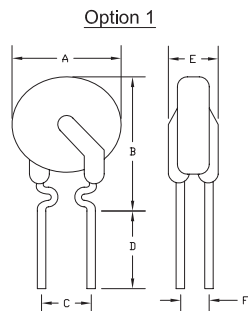
Part Number	Hold Current I _H , A	Trip Current I _T , A	Max. Time to Trip at 5 × I _H	Max. Current I _{MAX} , A	Rated Voltage V _{MAX} , V DC	Typical Power Pd, W	Resistance	
							R _{MIN} Ω	R _{1MAX} Ω
MC36184	0.1	0.2	4	40	72/90	0.38	2.5	7.5
MC36185	0.15	0.35	10			0.7	2.4	7
MC36186	0.17	0.34	3			0.48	2	8
MC33171	0.2	0.4	2.2			0.41	1.83	4.4
MC33172	0.25	0.5	2.5			0.45	1.25	3
MC33173	0.3	0.6	3			0.49	0.88	2.1
MC36190	0.35	0.75	10			1.3	0.7	2.5
MC33174	0.4	0.8	3.8			0.56	0.55	1.29
MC33175	0.5	1	4			0.77	0.5	1.17
MC36193	0.55	1.2	10			1.5	0.4	1.5
MC33176	0.65	1.3	5.3			0.88	0.31	0.72
MC33177	0.75	1.5	6.3			0.92	0.25	0.6
MC33178	0.9	1.8	7.2			0.99	0.2	0.47
MC33179	1.1	2.2	8.2			1.5	0.15	0.38
MC33180	1.35	2.7	9.6			1.7	0.12	0.3
MC33181	1.6	3.2	11.4			1.9	0.09	0.22
MC33182	1.85	3.7	12.6			2.1	0.08	0.19
MC33183	2.5	5	15.6			2.5	0.05	0.13
MC33184	3	6	19.8			2.8	0.04	0.1
MC33185	3.75	7.5	24			3.2	0.03	0.08

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

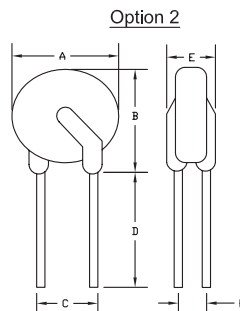
Radial Leaded PTC Resettable Fuse



Dimensions



Lead Size : 24AWG
ø0.51mm Diameter

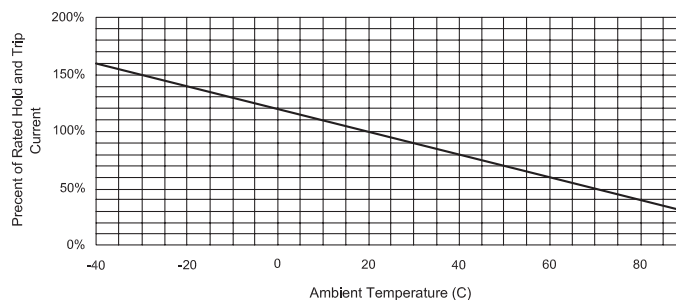


Lead Size : 20AWG
ø0.81mm Diameter

Part Number	A Max.	B Max.	C Typical	D Min.	E Max.	F Typical	Drawing Option					
MC36184	7.4	12.7	5.1	7.6	3.1	1.1	Option 1					
MC36185												
MC36186												
MC33171		13										
MC33172												
MC33173		12.7										
MC36190												
MC33174	7.6	13.5				1.4	Option 2					
MC33175	7.9	13.7										
MC36193	9.7	14										
MC33176	9.7	14.5										
MC33177	10.4	15.2										
MC33178	11.7	15.8										
MC33179	13	18										
MC33180	14.5	19.6										
MC33181	16.3	21.3										
MC33182	17.8	22.9										
MC33183	21.3	26.4	10.2									
MC33184	24.9	30										
MC33185	28.5	33.5										

Dimensions : Millimetres

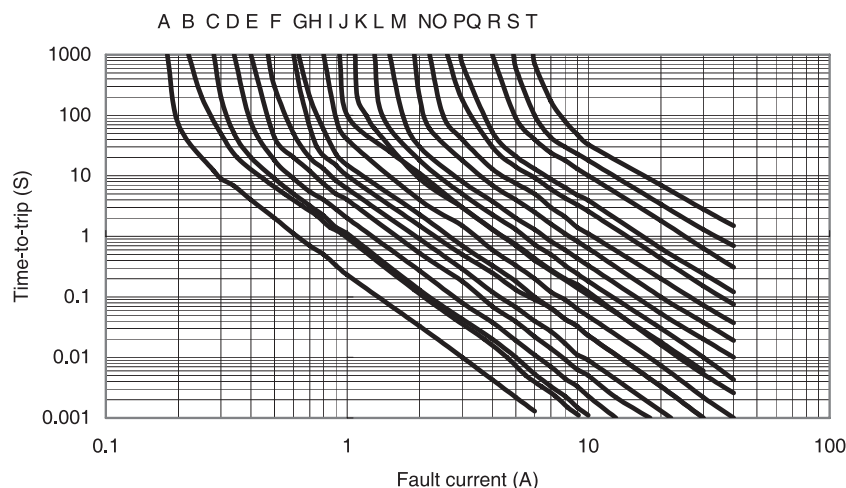
Thermal Derating Curve



Radial Leaded PTC Resettable Fuse



Typical Time-To-Trip at 23°C



A = MC36184	K = MC33176
B = MC36185	L = MC33177
C = MC36186	M = MC33178
D = MC33171	N = MC33179
E = MC33172	O = MC33180
F = MC33173	P = MC33181
G = MC36190	Q = MC33182
H = MC33174	R = MC33183
I = MC33175	S = MC33184
J = MC36193	T = MC33185

Part Number Table

Description	Part Number
100mA Radial Leaded PTC Resettable Fuse	MC36184
150mA Radial Leaded PTC Resettable Fuse	MC36185
170mA Radial Leaded PTC Resettable Fuse	MC36186
200mA Radial Leaded PTC Resettable Fuse	MC33171
250mA Radial Leaded PTC Resettable Fuse	MC33172
300mA Radial Leaded PTC Resettable Fuse	MC33173
350mA Radial Leaded PTC Resettable Fuse	MC36190
400mA Radial Leaded PTC Resettable Fuse	MC33174
500mA Radial Leaded PTC Resettable Fuse	MC33175
550mA Radial Leaded PTC Resettable Fuse	MC36193
650mA Radial Leaded PTC Resettable Fuse	MC33176
750mA Radial Leaded PTC Resettable Fuse	MC33177
900mA Radial Leaded PTC Resettable Fuse	MC33178
1.1A Radial Leaded PTC Resettable Fuse	MC33179
1.35A Radial Leaded PTC Resettable Fuse	MC33180
1.6A Radial Leaded PTC Resettable Fuse	MC33181
1.85A Radial Leaded PTC Resettable Fuse	MC33182
2.5A Radial Leaded PTC Resettable Fuse	MC33183
3A Radial Leaded PTC Resettable Fuse	MC33184
3.75A Radial Leaded PTC Resettable Fuse	MC33185

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