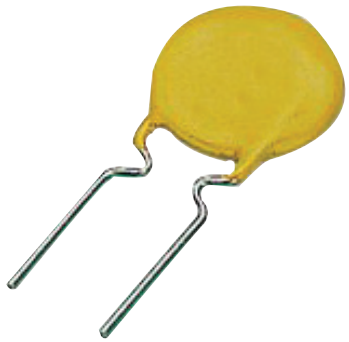
Radial Leaded
PTC Resettable Fuse

multicomp

RoHS Compliant



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)

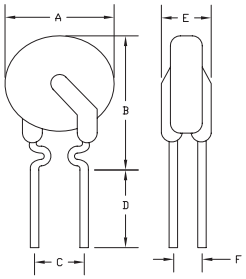
Part Number	Hold Current	Trip Current	Max. Time to Trip	Max. Current	Rated Voltage	Typical Power	Resistance	
							R_{MIN}	$R1_{MAX}$
	I_H, A	I_T, A	at 5 × I_H	I_{MAX}, A	V_{MAX},V DC	Pd, W	Ω	Ω
MC36184	0.1	0.2	4	40	72/90	0.38	2.5	7.5
MC36185	0.15	0.35	10			0.7	2.4	7
MC36186	0.17	0.34	3			0.48	2	8
MC33171	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
$R1_{MAX}$ = Maximum device resistance at 23°C, 1 hour after tripping

Radial Leaded
PTC Resettable Fuse

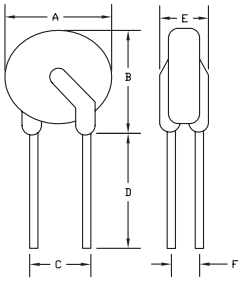
Dimensions

Option 1



Lead Size : 24AWG
ø0.51mm Diameter

Option 2

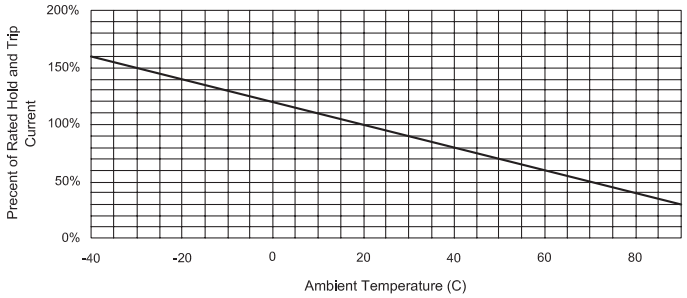


Lead Size : 20AWG
ø0.81mm Diameter

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							
MC33172							
MC33173		13					
MC36190		12.7					
MC33174	7.6	13.5					
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				1.4	Option 2
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					

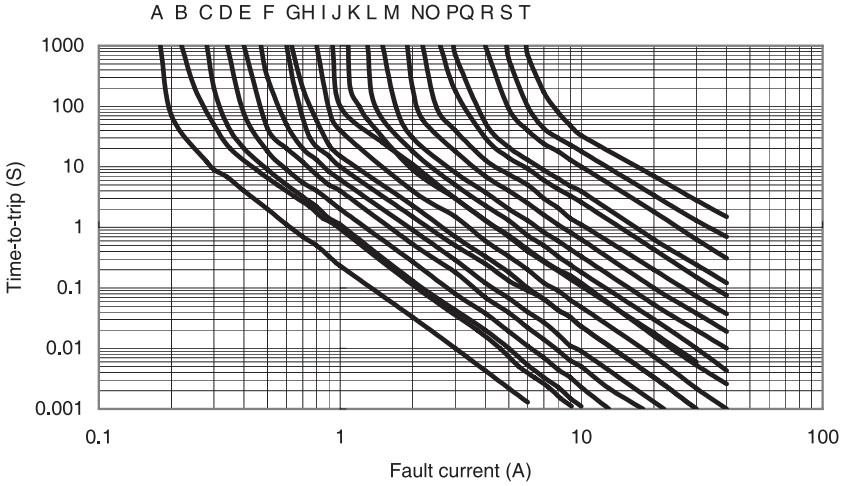
Dimensions : Millimetres

Thermal Derating Curve



Radial Leaded
PTC Resettable Fuse

Typical Time-To-Trip at 23°C



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