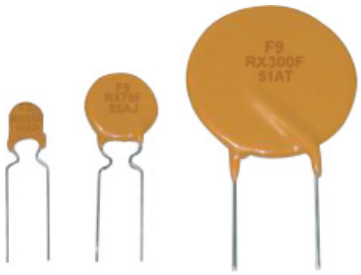
Resettable Fuse

multicomp PRO

RoHS Compliant



Specifications

Applications Product	: Telecom and wide variety of electronic equipment
Features Operation	: Low hold current, Solid state, Radial leaded product ideal for up to 90V
Current Maximum	: 100mA to 550mA
Voltage Temperature	: up to 90V
Range	: -40°C to +85°C
Approval	: UL Approved

Electrical Characteristics (23°C)

Hold Current	Trip Current	Max. Time to trip	Max. Current	Rated Voltage	Typical Power	Resistance		Part Number
						R Min.	R1 Max.	
I_H, A	I_T, A	at 5x I_H	I Max., A	V Max., V DC	Pd, W	ohms	ohms	
0.1	0.2	4	40	72/90	0.38	2.5	7.5	MC36184
0.15	0.35	10			0.7	2.4	7	MC36185
0.17	0.34	3			0.48	2	8	MC36186
0.55	1.2	10			1.5	0.4	1.5	MC36193

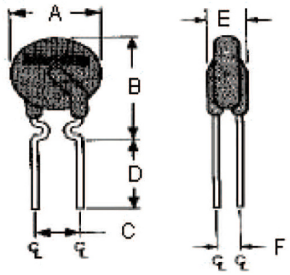
I_H = Hold current-maximum current at which the device will not trip at 23°C still air
I_T = Trip current-minimum current at which the device will always trip at 23°C still air
V_{MAX} = Maximum voltage device can withstand without damage at its rated current
I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V maximum)
Pd = 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, 24AWG
Soldering Characteristics	: MIL-STD-202, Method 208E
Insulating Coating	: Flame retardant epoxy

Resettable Fuse

Production Dimensions

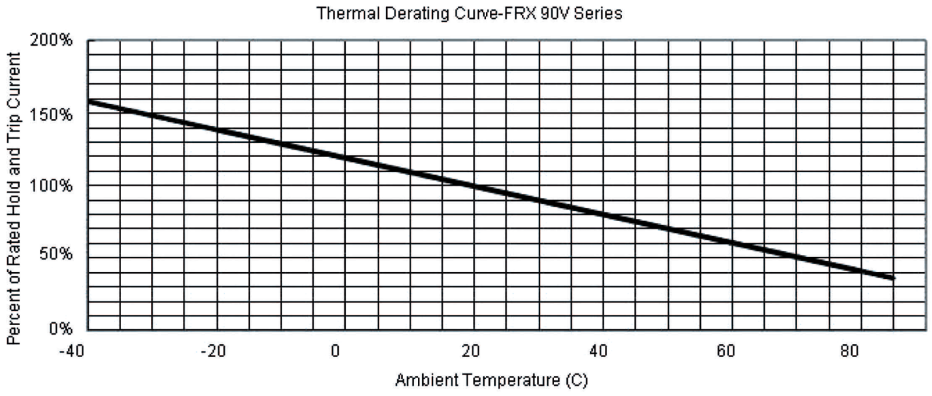


A	B	C	D	E	F	Part Number
Max.	Max.	Typical	Min.	Max.	Typical	
7.4	12.7	5.1	7.6	3.1	1.1	MC36184
						MC36185
						MC36186
9.7	14					MC36193

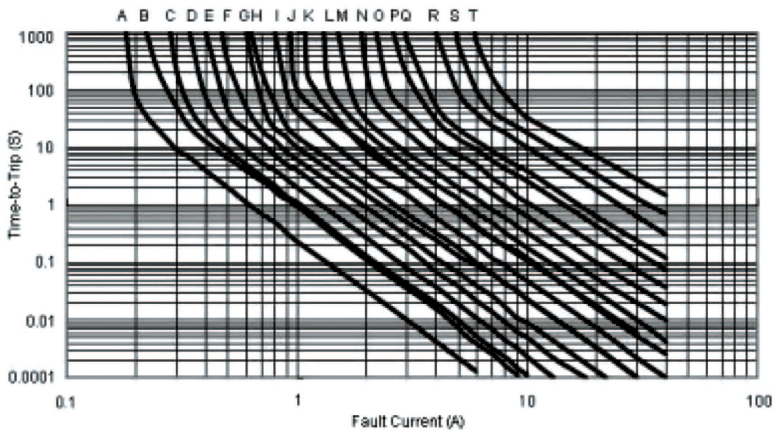
Lead Size : 24 AWG
Ø0.51mm Diameter

Dimensions : Millimetres

Thermal Derating Curve



Typical Time-To-Trip at 23°C



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

Part Number Table

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

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