

**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 Range		: up to 90V : -40°C to +85°C

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

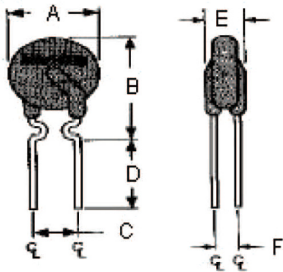
I_H	= Hold current-maximum current at which the device will not trip at 23°C still air
I_T	= Trip current-minimum current at which the device will always trip at 23°C still air
V_{MAX}	= Maximum voltage device can withstand without damage at its rated current
I_{MAX}	= Maximum fault current device can 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



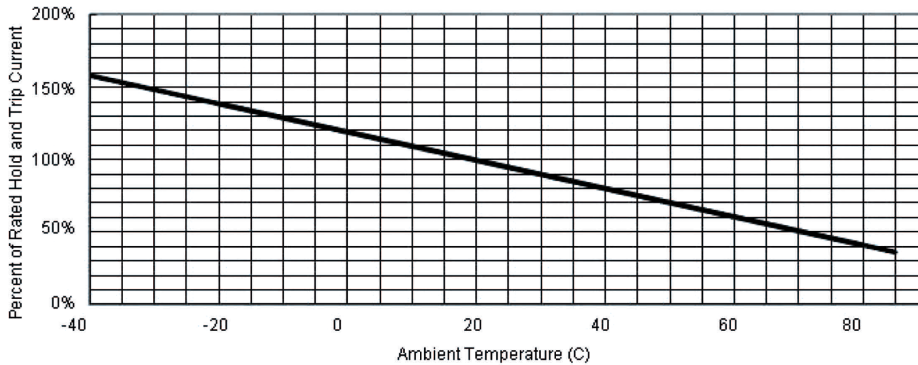
A	B	C	D	E	F	Part Number
Max.	Max.	Typical	Min.	Max.	Typical	
7.4	12.7	5.1	7.6	3.1	1.1	MC36184
9.7	14					MC36185
						MC36193

Lead Size : 24 AWG
 Ø0.51mm Diameter

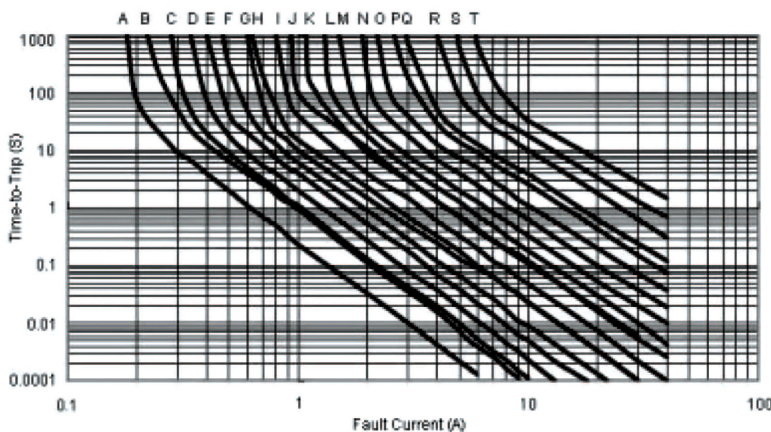
Dimensions : Millimetres

Thermal Derating Curve

Thermal Derating Curve-FRX 90V Series



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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