

PTC RESETTABLE FUSES - PRODUCT SELECTION GUIDE

How Does The Resettable Fuse Work?

Resettable fuses are designed and made of patented novel polymeric PTC material in thin chip form. With electrodes and leads attached on both sides, it is placed in series to protect a circuit. At "normal operating condition" the device remains at an extremely low resistance (milli-ohms) and allows the electrical current to flow through it without any restriction. When over current conditions occur, the polymeric PTC material heats up and its resistance increases sharply. Such a sharp resistance increase (to an insulated status) cuts off the current in the circuit, and consequently protects the element and device in the circuit. Upon fault current being removed, the resettable fuse cools and its resistance drops to the original extremely low value. The resettable fuse is "reset" and allows the current through the circuit again.

PTC RESETTABLE FUSES - SURFACE MOUNT

Fuzetec



0603 Size
1.8 x 1.0mm

0805 Size
2.3 x 1.5mm

1206 Size
3.5 x 1.8mm

1210 Size
3.43 x 2.8mm

1812 Size
4.73 x 3.41mm

2920 Size
7.98 x 5.44mm

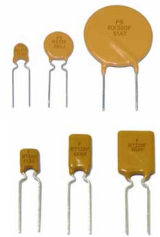
Part Number	Chip Size	Hold Current	Trip Current	Voltage Range	Max Current
FSMD...0603R	0603	10mA to 200mA	30mA to 450mA	9VDC to 60VDC	40A
FSMD...0805	0805	100mA to 1A	300mA to 1.95A	15VDC to 6VDC	100A to 40A
FSMD...0805RZ	0805	750mA to 2A	1.5A to 4A	6VDC	100A
FSMD...1206	1206	50mA to 2A	150mA to 3.5A	60VDC to 6VDC	10A to 100A
FSMD...1206RZ	1206	500mA to 5A	2.2A to 4A	6VDC	100A
FSMD...1210	1210	50mA to 2A	150mA to 4A	60VDC to 6VDC	100A
FSMD...1210RZ	1210	1.75A to 6.5A	3.5A to 13A	6VDC	100A
FSMD...1812	1812	100mA to 3A	300mA to 5A	60VDC to 6VDC	100A
FSMD...1812RZ	1812	1.4A to 6A	3.6A to 12A	6VDC	100A
FSMD...2920	2920	300mA to 3A	600mA to 5.2A	60VDC to 6VDC	100A

Approvals:

PTC RESETTABLE FUSES - PCB MOUNT

Fuzetec

Part Number	Hold Current	Trip Current	Voltage Range	Max Current
FRX...60F	50mA to 3.75A	100mA to 7.5A	60VDC	40A
FRX...90F	100mA to 3.75A	200mA to 7.5A	90VDC	40A
FRU...30F	900mA to 9A	1.8A to 18A	30VDC	40A
FUSB..	750mA to 2.5A	1.3A to 5A	30VDC to 16VDC	40A
FRG...	2.5A to 14A	4.7A to 23.8A	16VDC	100A
FRH...V	80mA to 160mA	160mA to 320mA	250VDC to 600VDC	3A to 10A
FRT..	500mA to 2.5A	1A to 4A	36VDC	40A
FRV..	50mA to 2A	120mA to 4A	240VAC/VDC	1A to 20A
FRVL..	100mA to 3.75A	200mA to 7.5A	120VAC/VDC	2A to 20A
FHT..	500mA to 15A	900mA to 28A	30VDC to 16VDC	40A to 100A
FRK...60F	500mA to 5A	1A to 10A	60VDC	40A



Approvals:

PTC RESETTABLE FUSES - STRAP MOUNT

Fuzetec

Part Number	Hold Current	Trip Current	Voltage Range	Max Current
FLT..	700mA to 3.4A	1.5A to 6.8A	24VDC	100A
FSR..	1.2A to 4.2A	2.7A to 7.6A	15VDC to 30VDC	100A
FLR..	1.9A to 7.3A	3.9A to 14.1A	15VDC to 20VDC	100A
FVT..	1.1A to 2.4A	2.7A to 5.9A	16VDC	100A
FVL..	1.7A to 2.3A	4.1A to 5A	12VDC	100A
FSL...-N	1.4A to 7A	3.6A to 14A	6VDC	50A



Approvals: