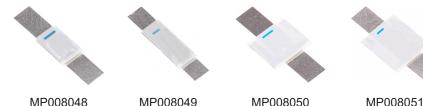
multicomp PRO

RoHS Compliant







Specifications

Applications **Product Features Operation Current** Maximum Voltage Temperature Range UL and TUV Approved

- : Rechargeable battery packs, Lithium cell and battery packs
- : Low profile, Solid state
- : 1.2A to 4.2A
- : 15V to 30VDC

: -40°C to 85°C

Resistance Rated Hold Trip Max. Time Max. Тур. to Trip Voltage Current Current Current Power Part Number **R**MIN **R**MAX R1max Ін, А IT, A at 5 × IH, S VMAX, VDC IMAX, A Pd, W Ω Ω Ω MP008048 1.2 2.7 1.2 0.085 0.16 0.22 5 15 MP008049 1.75 0.05 0.09 0.12 3.8 1.5 MP008050 2 4.4 4 100 1.9 0.03 0.06 0.1 MP008051 3.5 6.3 3 2.5 0.017 0.031 0.05 30 MP008052 4.2 7.6 6 2.9 0.012 0.024 0.04

Electrical Characteristics (23°C)

IH=Hold current-maximum current at which the device will not trip at 23°C still air.

IT=Trip current-minimum current at which the device will always trip at 23°C still air.

VMAX=Maximum voltage device can withstand without damage at its rated current.

IMAX= Maximum fault current device can withstand without damage at rated voltage (VMAX).

Pd=Typical power dissipated from device when in tripped state in 23°C still air environment.

RMIN=Minimum device resistance at 23°C.

R1MAX=Maximum device resistance at 23°C, 1 hour after tripping.

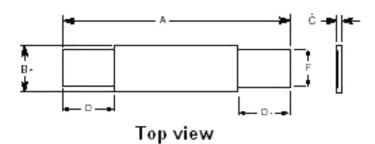
Physical specifications:

Lead material:0.13mm nominal thickness, guarter-hard nickel. Insulating material: Polyester tape.

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Production Dimensions (millimeter)



Part Number	А		В		С		D		F	
	Min	Мах	Min	Max	Min	Max	Min	Max	Min	Мах
MP008048	19.9	22.1	4.9	5.2	0.6	1.0	5.5	7.5	3.9	4.1
MP008049	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	3.9	4.1
MP008050	21.3	23.4	10.2	11.0	0.5	1.1	5.0	7.6	4.8	5.4
MP008051	28.4	31.8	13.0	13.5	0.5	1.1	6.3	8.9	5.9	6.1
MP008052	30.6	32.4	12.9	13.6	0.5	1.1	5.0	7.5	5.9	6.1

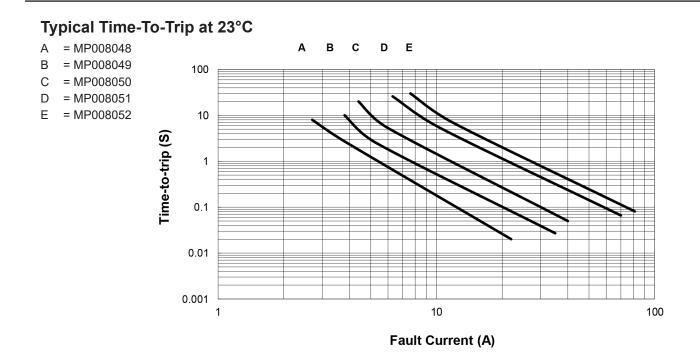
Thermal Derating Curve

FSR Series

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multicomp PRO



Material Specification

Lead material: 0.13 mm nominal thickness, quarter-hard nickel Insulating material:Polyester tape

Part Number Table

Description	Part Number		
PTC Resettable Fuse, 1.2A, Axial Leaded	MP008048		
PTC Resettable Fuse, 1.75A, Axial Leaded	MP008049		
PTC Resettable Fuse, 2A, Axial Leaded	MP008050		
PTC Resettable Fuse, 3.5A, Axial Leaded	MP008051		
PTC Resettable Fuse, 4.2A, Axial Leaded	MP008052		

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