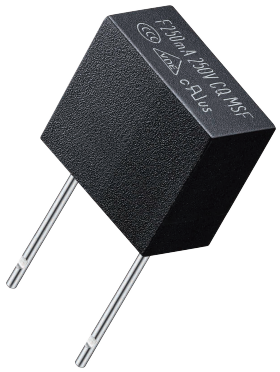
MSF

8.35 x 4.3 x 7.7 mm

Fast-Acting Fuse



RoHS

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	50mA - 6.3A
VDE	50mA - 6.3A
CSA Acceptance	50mA - 6.3A
PSE	1A - 6.3A
CCC	50mA - 6.3A

Interrupting Rating

35 amperes or 10 x rated current; whichever is greater at 250V AC.

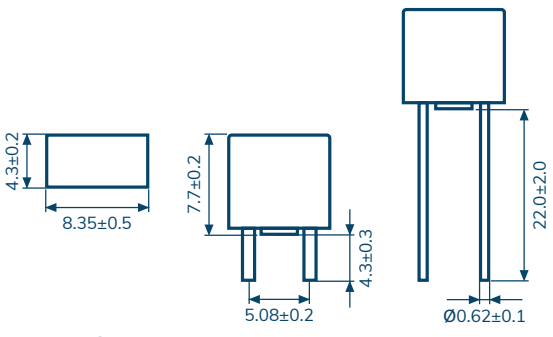
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Base and Cover: Black thermoplastic, UL 94-V0 Round Pins: Tin Plated Copper

Packaging

Packaging Option	Quantity
In Bulk	1,000 pcs / box
On Tape	1,000 pcs / box

Mechanical Dimensions (mm)



MSF Short Leads Long Leads

Electrical Characteristics

Ampere Rating	Opening Time						
	1.5 In	2.1 In	2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MAX
50mA - 5A	60 min	30 min	10 ms	3 sec	3 ms	300 ms	20 ms
6.3A	60 min	30 min	50 ms	10 sec	5 ms	400 ms	20 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I^2t (A^2 sec.)
MSF .050	50mA	250V	5.4500	850	0.003000
MSF .063	63mA		2.8020	750	0.001429
MSF .080	80mA		1.7100	650	0.007258
MSF .100	100mA		1.1600	600	0.009000
MSF .125	125mA		0.6730	550	0.012656
MSF .160	160mA		1.4923	500	0.023040
MSF .200	200mA		1.0965	480	0.032400
MSF .250	250mA		0.7007	440	0.081563
MSF .315	315mA		0.3820	400	0.093768
MSF .400	400mA		0.3006	370	0.129600
MSF .500	500mA		0.2471	350	0.303750
MSF .630	630mA		0.1460	320	0.375071
MSF .800	800mA		0.1040	300	0.691200
MSF 001	1A		0.0800	280	0.720000
MSF 1.25	1.25A		0.0581	280	1.125000
MSF 1.60	1.6A		0.0406	250	2.188800
MSF 002	2A		0.0330	240	3.600000
MSF 2.50	2.5A		0.0229	200	7.031250
MSF 3.15	3.15A		0.0179	180	8.037225
MSF 004	4A		0.0133	160	19.44000
MSF 005	5A		0.0109	150	21.37500
MSF 6.30	6.3A		0.0087	130	46.43730