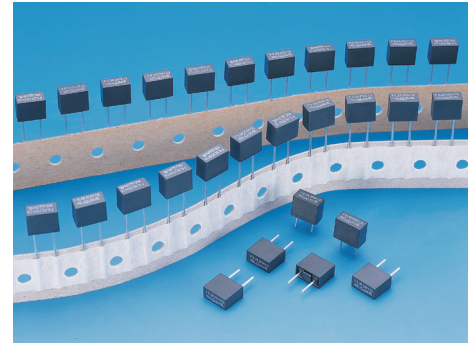


Type MSF



Fast Acting Radial Lead Micro Fuse Series



Approval

VDE	50mA~6.3A
CSA Acceptance	50mA~6.3A
UL Recognized	50mA~6.3A
PSE	1A~6.3A
SEMKO	50mA~5A
CCC	50mA~5A

Electrical Characteristic

Rated Current	1.5In		2.1In		2.75In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
50mA~5A	60	30	10	3	3	300	20			
	min	min	ms	sec	ms	ms	ms			
6.3 A	60	30	10	5	3	300	20			
	min	min	ms	sec	ms	ms	ms			

Interrupting Rating

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

Environmental Specification

Operating Temperature

-55°C to +125°C

Vibration

MIL-STD-202G, Method 201(10-55 Hz x 3axis/no load)

Salt Spray

MIL-STD-202G, Method 101, Test Condition B (48Hrs)

Insulation Resistance

MIL-STD-202G, Method 302, Test Condition A (After Opening) 10,000 ohms minimum

Resistance to Solder Heat

MIL-STD-202G, Method 210, Test Condition B (10sec, at 260°C)

Thermal Shock:

MIL-STD-202G, Method 107, Test Condition B (-65°C to +125°C)

Physical Specification

Materials

Base and Cap: Black thermoplastic, UL 94-V0
Round Pins: Copper, Tin-plated

Packaging

1. In bulk: 1,000 pcs per box.
2. On Tap: Ammo pack, 1,000 pcs box

Catalog Number	Ampere Rating [In]	Voltage Rating (V)	Nominal Resistance Cold Ohms	Voltage Drop (mv) MAX	Nominal Melting I ² t A ² Sec
MSF .050	50mA	250V	4.1970	850	0.000325
MSF .063	63mA		2.8020	750	0.000793
MSF .080	80mA		1.7100	650	0.002560
MSF .100	100mA		1.6720	600	0.005000
MSF .125	125mA		1.0002	550	0.006250
MSF .160	160mA		0.8290	500	0.007680
MSF .200	200mA		0.5200	480	0.024000
MSF .250	250mA		0.5018	440	0.043750
MSF .315	315mA		0.3820	400	0.059530
MSF .400	400mA		0.2600	370	0.080000
MSF .500	500mA		0.2471	350	0.083000
MSF .630	630mA		0.1460	320	0.119000
MSF .800	800mA		0.1040	300	0.192000
MSF 001	1A		0.0800	280	0.300000
MSF 1.25	1.25A		0.0581	280	0.468700
MSF 1.60	1.6A		0.0406	250	0.896000
MSF 002	2A		0.0330	240	1.200000
MSF 2.50	2.5A		0.0229	200	2.500000
MSF 3.15	3.15A		0.0179	180	3.969000
MSF 004	4A		0.0133	160	7.200000
MSF 005	5A	0.0109	150	15.00000	
MSF 6.30	6.3A	0.0072	150	47.62800	

Mechanical Dimensions

