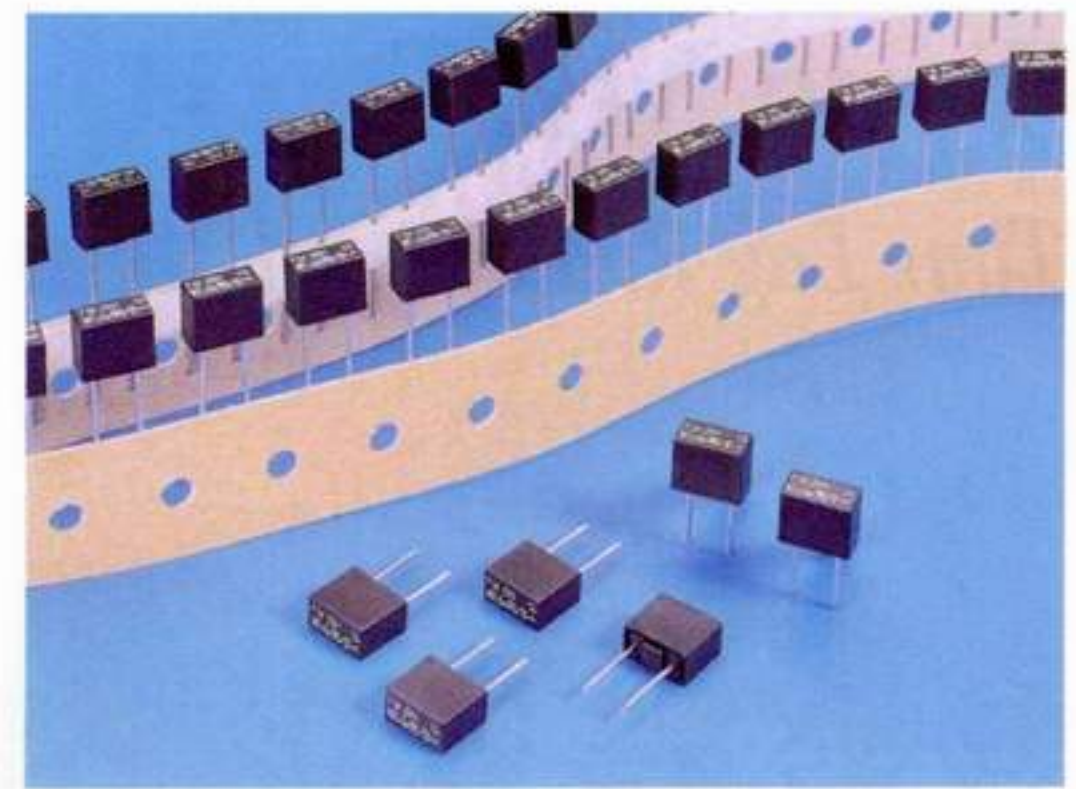


Micro Fuses

Type MSF

Fast Acting Radial Lead Micro Fuse Series



Approvals

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

Electrical Characteristics

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 Ratings

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

Environmental Specification

Operating Temperature

-55°C to +125°C

Shock

MIL-STD-202, Method 213, Condition 1 (Saw tooth)

Vibration

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

Salt Spray

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

Insulation Resistance

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

Resistance to Solder Heat

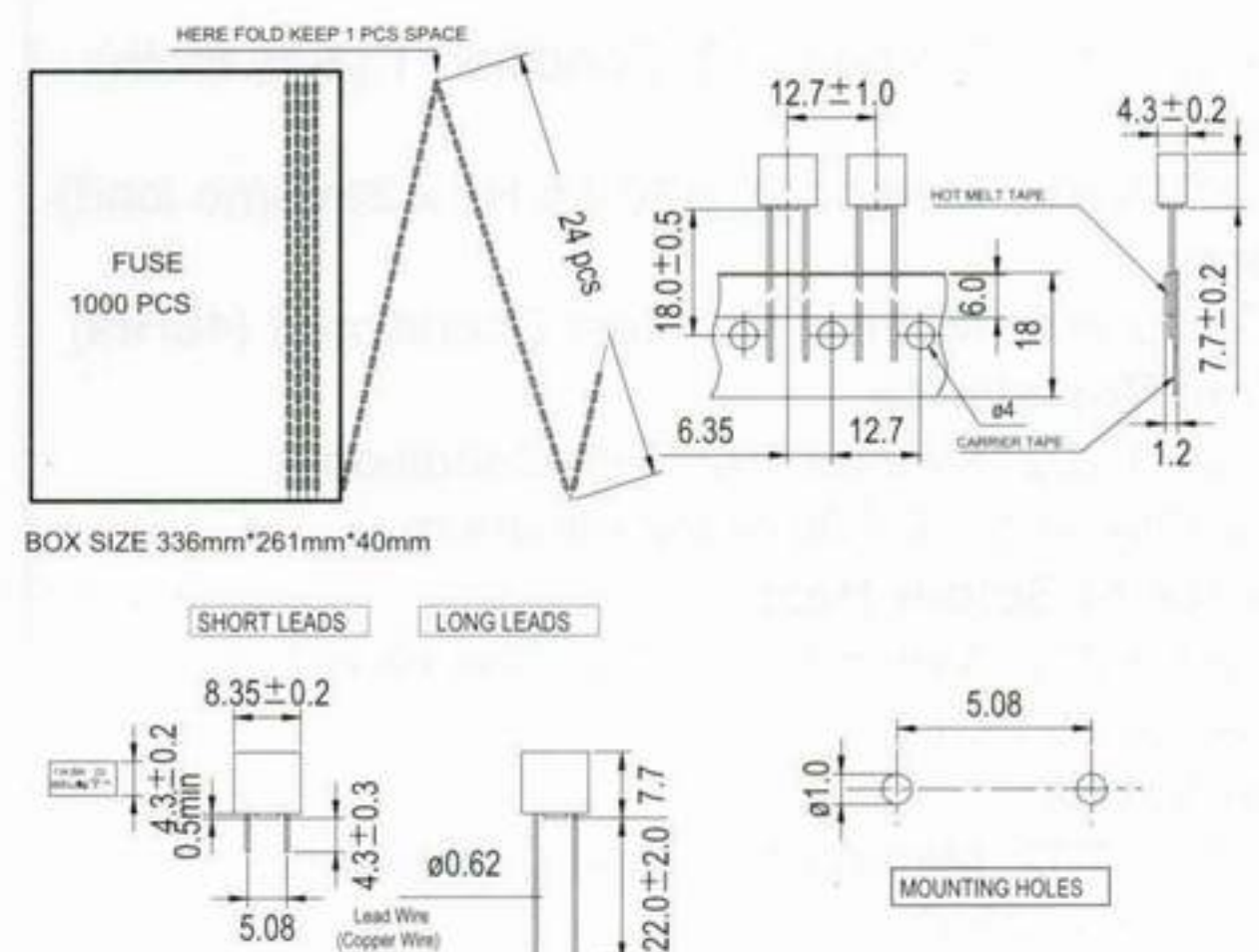
MIL-STD-202, Method 210, Test Condition F (10sec, at 260°C)

Thermal Shock:

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

Cartridge 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	50 mA	250V	4.1970	650	0.000325
MSF .063	63 mA		2.8020	500	0.001580
MSF .080	80 mA		1.8650	400	0.003200
MSF .100	100 mA		1.7410	350	0.005000
MSF .125	125 mA		1.2620	350	0.006250
MSF .160	160 mA		0.8290	330	0.007680
MSF .200	200 mA		0.4850	300	0.024000
MSF .250	250 mA		0.3670	250	0.043750
MSF .315	315 mA		0.2720	230	0.059530
MSF .400	400 mA		0.1940	210	0.080000
MSF .500	500 mA		0.1290	170	0.083000
MSF .630	630 mA		0.0960	150	0.119000
MSF .800	800 mA		0.072	130	0.192000
MSF 001	1 A		0.0520	120	0.300000
MSF 1.25	1.25 A		0.0430	120	0.468700
MSF 1.60	1.6 A		0.0310	110	0.896000
MSF 002	2 A		0.0260	110	1.200000
MSF 2.50	2.5 A		0.0190	100	2.500000
MSF 3.15	3.15 A		0.0140	100	3.969000
MSF 004	4 A		0.0110	100	7.200000
MSF 005	5 A	0.0083	90	15.00000	
MSF 6.30	6.3 A	0.0061	80	47.62800	

Mechanical Dimensions



Physical Specification

Materials

- Base and Cap: Black thermoplastic
- Pin: Tin-lead plated alloy

Packaging

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

Patented