Fast Acting Radial Lead Micro Fuse

Applications: For protecting instruments, power supplies and telephone sets.

Material:

- Cap: Non-Transparent plastic Cap. No breaking or deformation is allowed.
- Base: Non-Transparent plastic base. No breaking or deformation is allowed.
- Two copper leads: Made of tin-plated copper wire for good conductivity.

Specifications

Voltage Rating	: 250V AC
Blow Characteristic	: Fast Acting
Fuse Case Style	: Radial Leaded
Case Material	: Thermoplastic
External Depth	: 4.3mm
External Length / Height	: 7.7mm
External Width	: 8.35mm
Fuse Mounting	: Through Hole
Lead Diameter	: 0.62mm
Lead Length	: 22mm
Lead Spacing	: 5.08mm
Operating Temperature	: -55°C to +125°C
Terminal Type	: Radial Lead

Electrical Characteristics

Ampere Rating	1.50% Rating	200% Rating	275% Rating		400% Rating		1000% Rating
	Min.	Max.	Min.	Max.	Min.	Max.	Max.
50mA to 5A	60 Minutes	30 Minutes	10ms	3 Seconds	3ms	300ms	20ms
6.3A			50ms	10 Seconds	5ms	400ms	

Interrupting Ratings

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

Environmental Specifications

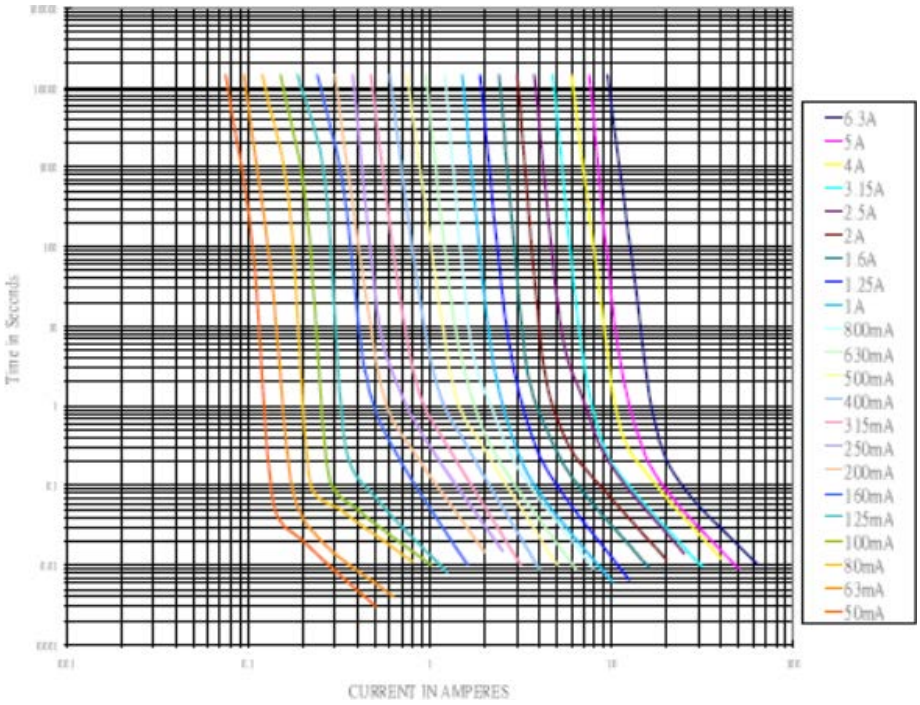
Operating Temperature	: -55°C to +125°C
Shock	: MIL-STD-202, Method 213, Condition 1 (Saw Tooth)
Vibration	: MIL-STD-202, Method 201 (10Hz to 55Hz × 3 axis/No Load)
Salt Spray	: MIL-STD-202, Method 101, Test Condition B (48Hours)
Insulation Resistance	: MIL-STD-202, Method 302, Test Condition A (After Opening) 10,000Ω Min.
Resistance to Solder Heat	: MIL-STD-202, Method 210, Test Condition F (5 seconds at 260°C)
Thermal Shock	: MIL-STD-202, Method 107, Test Condition B (-65°C to +125°C)

Physical Specifications

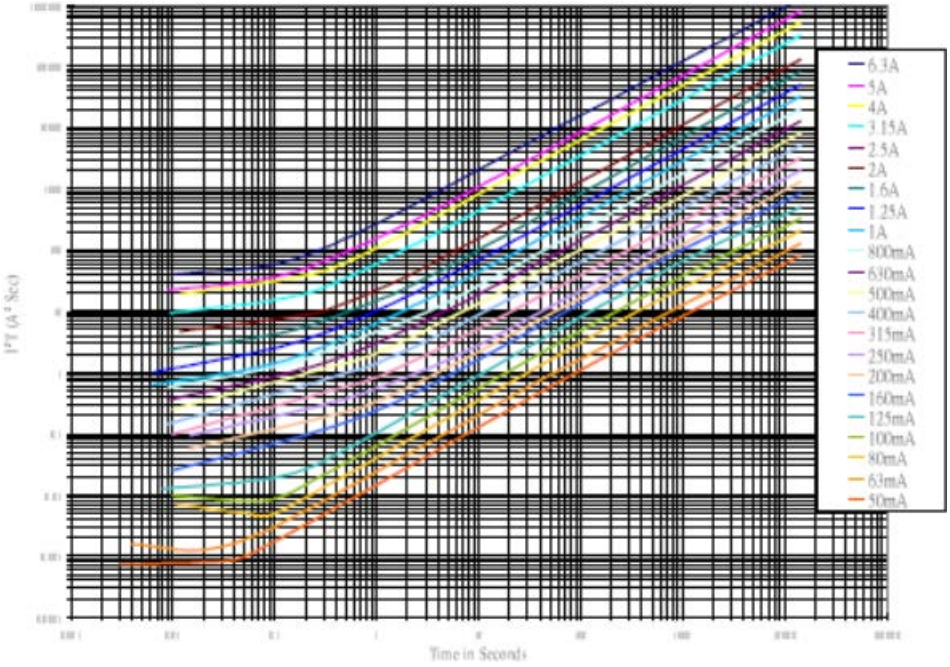
Materials:

Base and Cap	: Black Thermoplastic
Pin	: Tin-lead Plated Alloy

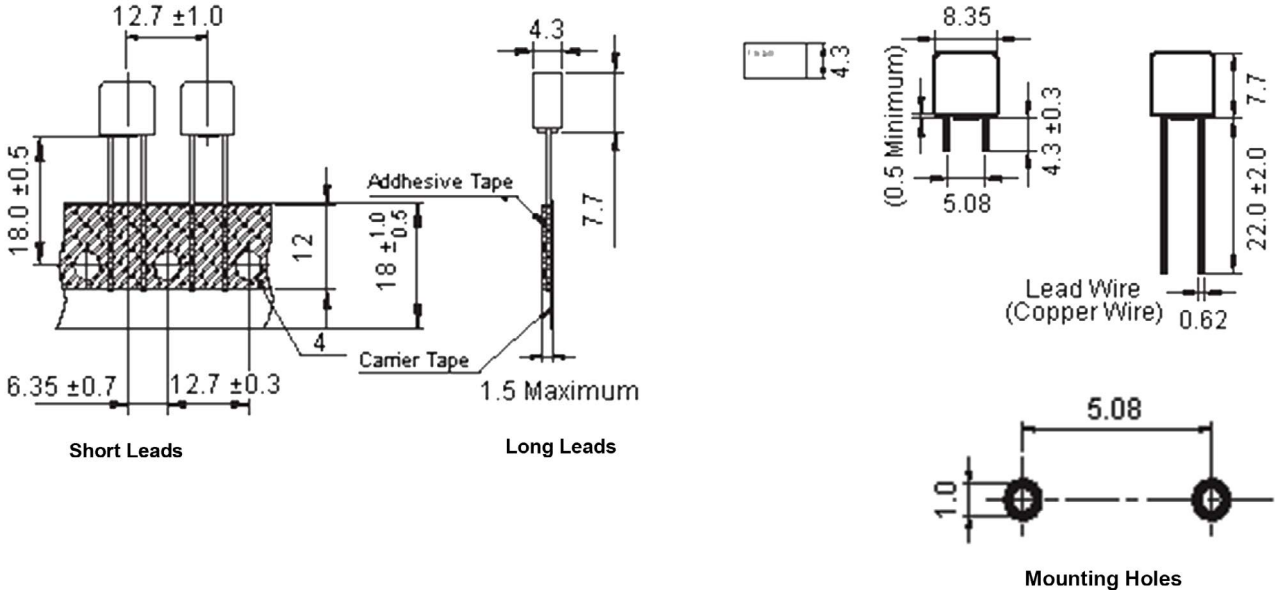
Time Current Characteristic Curve



Average Melting I²t Curves



Diagram



Dimensions : Millimetres

Part Number Table

Description	Ampere Rating (In)	Voltage Rating (V)	Nominal Resistance Cold Ω	Maximum Voltage Drop (mV)	Nominal Melting I^2t A^2 Sec	Part Number
Fuse, Radial, Fast Blow, 0.8A	800mA	250	0.072	130	0.192	MCMSF 800mA 250V
Fuse, Radial, Fast Blow, 1A	1A		0.052	120	0.3	MCMSF 1A 250V
Fuse, Radial, Fast Blow, 1.25A	1.25A		0.043		0.4687	MCMSF 1.25A 250V
Fuse, Radial, Fast Blow, 1.6A	1.6A		0.031	110	0.896	MCMSF 1.6A 250V
Fuse, Radial, Fast Blow, 2A	2A		0.026		1.2	MCMSF 2A 250V
Fuse, Radial, Fast Blow, 2.5A	2.5A		0.019	100	2.5	MCMSF 2.5A 250V
Fuse, Radial, Fast Blow, 3.15A	3.15A		0.014		3.969	MCMSF 3.15A 250V
Fuse, Radial, Fast Blow, 4A	4A		0.011		7.2	MCMSF 4A 250V
Fuse, Radial, Fast Blow, 5A	5A		0.0083	90	15	MCMSF 5A 250V
Fuse, Radial, Fast Blow, 6.3A	6.3A		0.0061	80	47.628	MCMSF 6.3A 250V