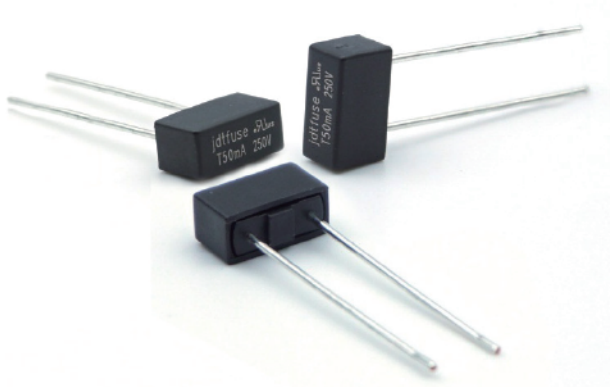


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PRODUCT DATASHEET

Miniature Fuse

JFSST Serise Time-Lag Mini Radial Lead Micro Fuse



Applications

- Battery Chargers
- Consumer Electronics
- Power supplies
- Industrial Controllers

Agency Approvals

Agency	File Number
	E486200

Description

This product is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Battery Charges, Consumer Electronics, Power supplies, Industrial Controllers, etc.

Features

- Mini radial lead micro fuse
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Material meets UL 94V-0 requirements
- Lead Free and Halogen free material

Electrical Characteristics

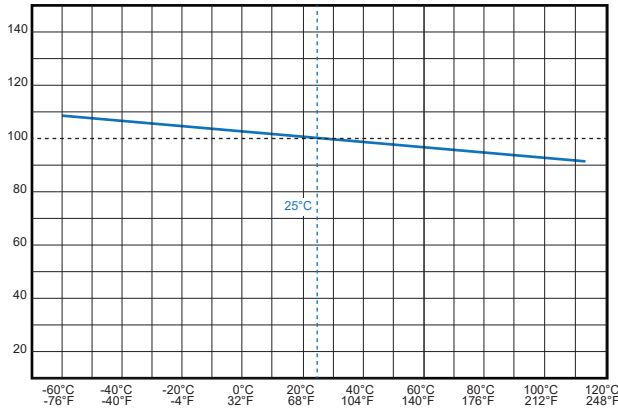
% of Ampere Rating	Opening Time
150%	60 min Min.
210%	2 min Max.
275%	0.4s ~10 s
400%	0.15 s~3 s
1000%	20 ms~150 ms

Performance Specification

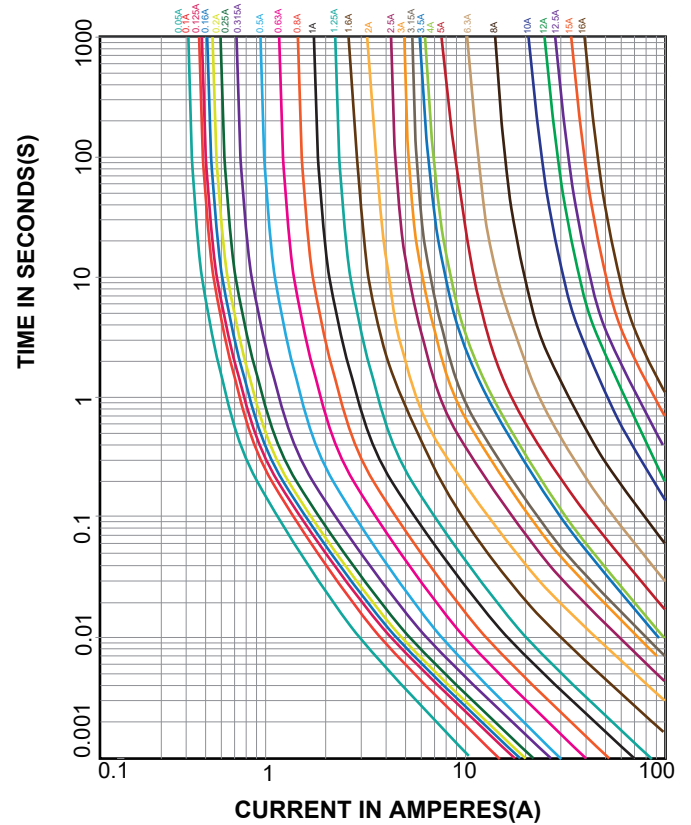
Model	Rated Current (A)	Voltage Rating (Vac)	Breaking Capacity	Max Voltage Drop(mV)	I ² T Melting Integral (A ² s)
JFSST0050	0.05	250	35A@250 Vac	6000	0.00425
JFSST0100	0.10			1500	0.02
JFSST0125	0.125			760	0.10
JFSST0160	0.16			500	0.15
JFSST0200	0.20			260	0.21
JFSST0250	0.25			240	0.48
JFSST0315	0.315			220	0.78
JFSST0500	0.50			190	2.11
JFSST0630	0.63			180	2.88
JFSST0800	0.80			160	3.92
JFSST1100	1.00			140	5.77
JFSST1125	1.25			130	8.34
JFSST1160	1.60			120	13.6
JFSST1200	2.00			100	26.0
JFSST1250	2.50			100	42.0
JFSST1300	3.00			100	45.0
JFSST1315	3.15			100	90.0
JFSST1350	3.50			100	100
JFSST1400	4.00			100	120
JFSST1500	5.00			100	170
JFSST1630	6.30			100	290
JFSST1800	8.00			100	320
JFSST2100	10.0			95	450
JFSST2120	12.0			95	465
JFSST2125	12.5			95	470
JFSST2150	15.0			95	510
JFSST2160	16.0			95	520

Environmental Characteristic

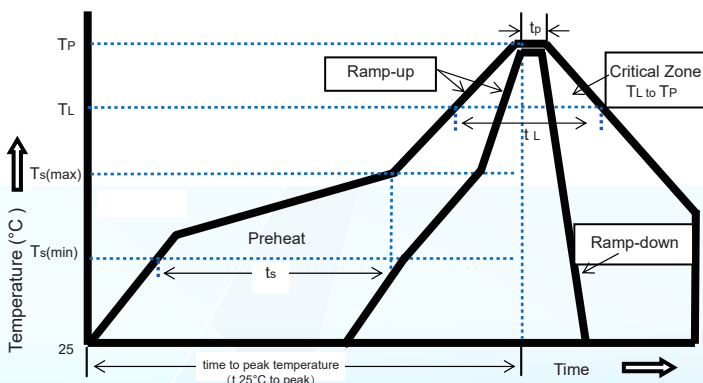
Temperature Rerating Curve



Time-Current Characteristics



Soldering Parameters



Recommended Soldering Parameters

Wave Parameters	260°Cmax, 2~5s
Hand-Solder Parameters	350±5°Cmax, 1~2max

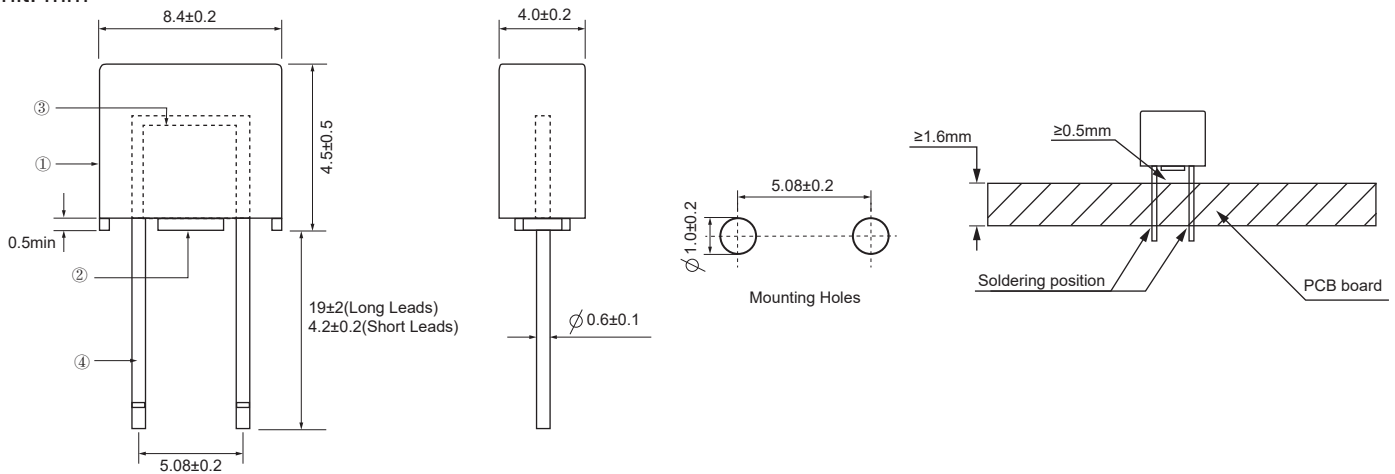
Reflow Condition		Pb-Free assembly
Preheat	Average Ramp-up Rate (T_{smax} to T_p)	3°C/second max.
	Temperature Min. (T_{smin})	150°C
	Temperature Max. (T_{smax})	200°C
Reflow	Time (T_{smin} to T_{smax})	60~120 seconds
	Temperature (T_L)	260°C
	Time Max (t_L)	60 seconds
Peak Temperature (T_p)		260°C max
Temperature (T_L)		217°C
Melting in time (t_L)		60~150 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (t_p)		8 minutes max
Operating Temperature		-55°C to +125°C

Product Characteristics

Lead Pull Strength	5N 10±1s
Lead Thrus Strength	2N 10±1s
Solder ability	260°C, ≤ 3s. (Wave); 350±10°C, ≤ 1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (Wave); 260°C, 3s; 350°C, 3s. (Soldering Iron)
Stock Conditions	Relative humidity ≤ 75% store 3 years average.

Dimensions

Unit: mm

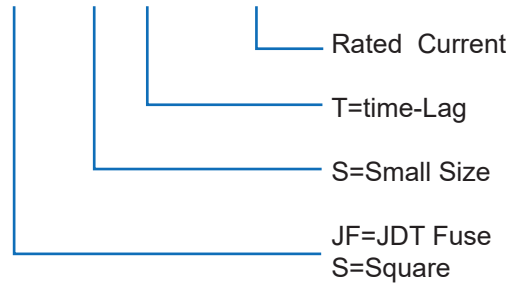


Material Details

No.	Part Name	Material
①	Cap	Black or Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0
②	Base	Black or Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0
③	Fuse element	Alloy
④	Lead wire	Copper, Tin-plated

Part Number System

JFS S T xxxx



Packaging

Packaging Option	Quantity/Packaging Code
Taped packing	1,000 pcs/tape
Bulk packing	1,000 pcs/bag