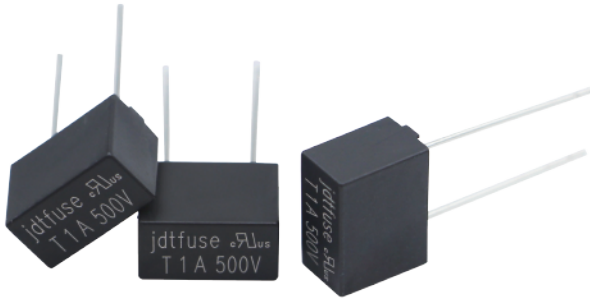


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PRODUCT DATASHEET

Miniature Fuse

JFSLT Serise Time-Lag Radial Lead Micro Fuse



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

- 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

Applications

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

Agency Approvals

Agency	File Number
	E486200

Electrical Characteristics

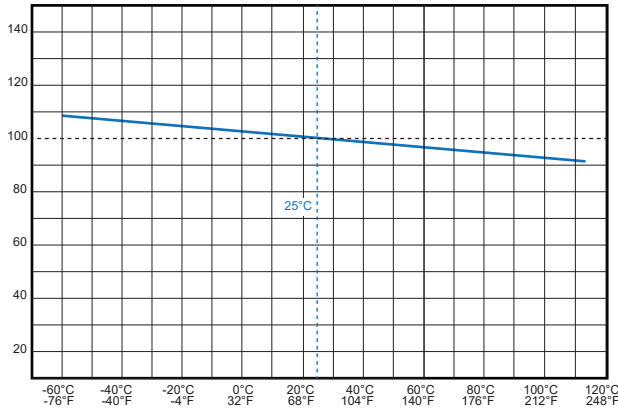
% of Ampere Rating	Opening Time
150%	60 min Mlin.
210%	2 min Max.

Performance Specification

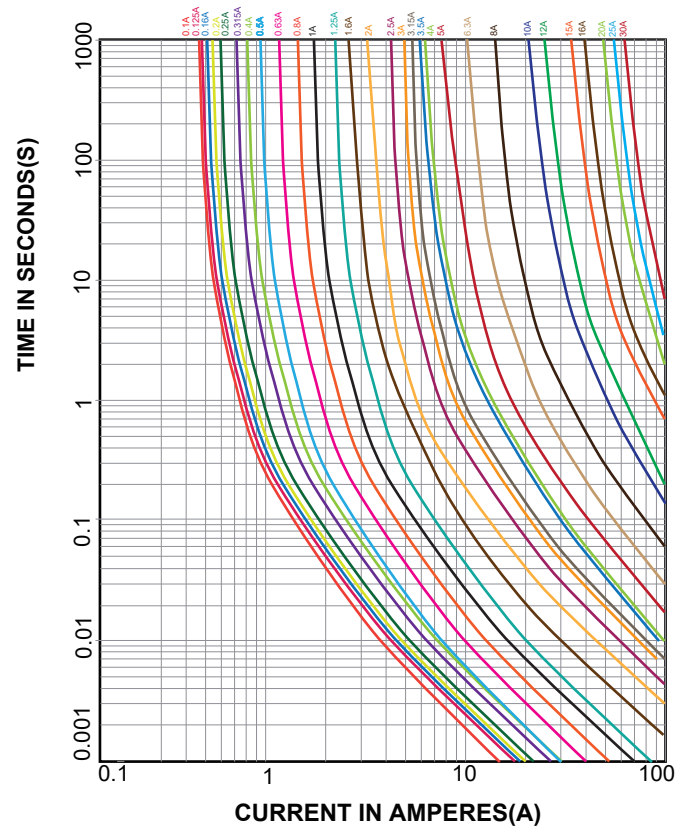
Model	Rated Current (A)	Voltage Rating (Vac)	Breaking Capacity	Max Voltage Drop(mV)	I ² T Melting Integral (A ² s)
JFSLT0100	0.10	500	35A@500 V	1500	0.02
JFSLT0125	0.125			760	0.10
JFSLT0160	0.16			500	0.15
JFSLT0200	0.20			260	0.21
JFSLT0250	0.25			240	0.48
JFSLT0315	0.315			220	0.78
JFSLT0400	0.40			200	1.22
JFSLT0500	0.50			190	2.11
JFSLT0630	0.63			180	2.88
JFSLT0800	0.80			160	3.92
JFSLT1100	1.00			140	5.77
JFSLT1125	1.25			130	8.34
JFSLT1160	1.60			120	13.6
JFSLT1200	2.00			100	35.0
JFSLT1250	2.50			100	42.0
JFSLT1300	3.00			100	45.0
JFSLT1315	3.15			100	90.0
JFSLT1350	3.50			100	100
JFSLT1400	4.00		10 In@500 V	100	120
JFSLT1500	5.00			100	170
JFSLT1630	6.30			100	290
JFSLT1800	8.00			100	320
JFSLT2100	10.0			95	450
JFSLT2120	12.0			95	460
JFSLT2150	15.0			95	1050
JFSLT2160	16.0			95	1200
JFSLT2200	20.0			95	2100
JFSLT2250	25.0			95	3500
JFSLT2300	30.0			95	4300

Environmental Characteristic

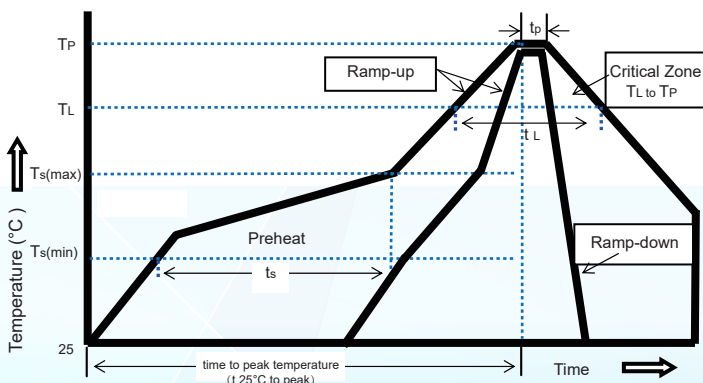
Temperature Rerating Curve



Time-Current Characteristics



Soldering Parameters



Recommended Soldering Parameters

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

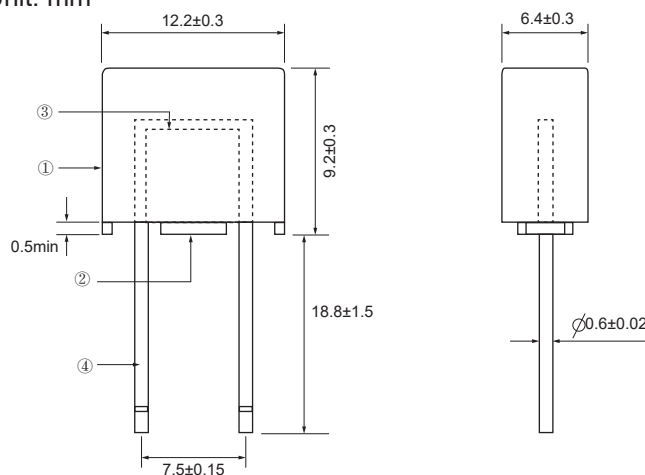
Reflow Condition		Pb-Free assembly
Preheat	Average Ramp-up Rate (Tsmax to Tp)	3°C/second max.
	Temperature Min. (Tsmin)	150°C
	Temperature Max. (Tsmax)	200°C
Reflow	Time (Tsmin to Tsmax)	60~120 seconds
	Temperature (TL)	260°C
	Time Max (tL)	60 seconds
Peak Temperature (Tp)		260°C max
Temperature (TL)		217°C
Melting in time (tL)		60~150 seconds
Ramp-down Rate		6°C/second max
Time 25°C to peak Temperature (tp)		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

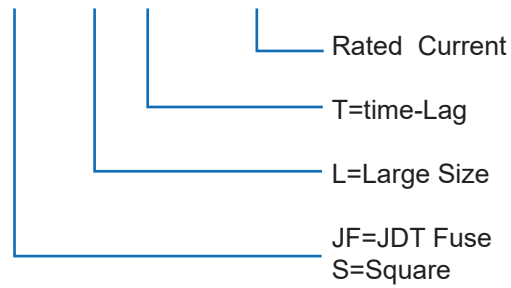
Unit: mm



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 L T xxxx

Packaging

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