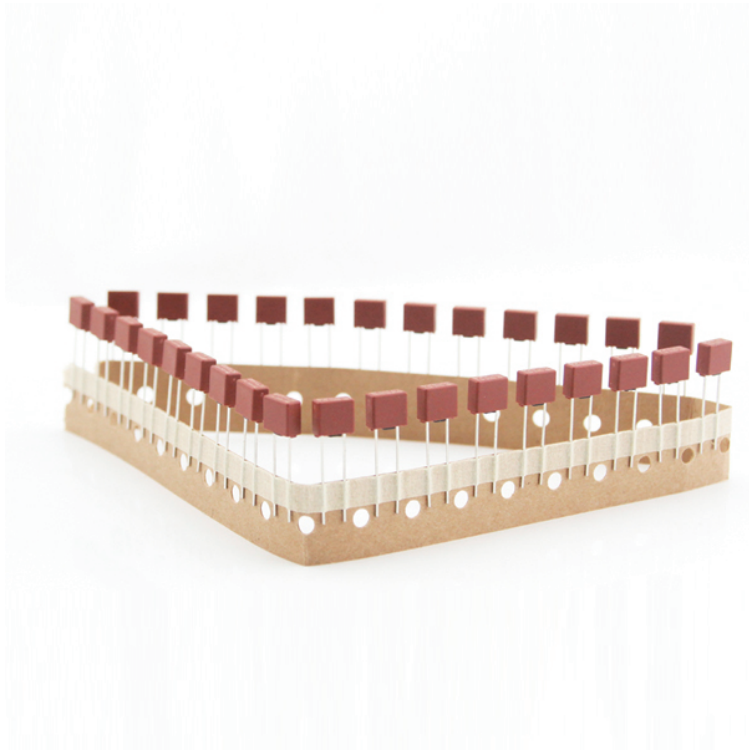


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PRODUCT DATASHEET

Miniature Fuse

JFS Series, Time-Lag Fuse



Description

Time-Lag type, 250V rated, designed in accordance to IEC 60127-3.

Features

- Lead-free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- 100A breaking capacity
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant
- Halogen free

Applications

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

Agency Approvals

Agency	File Number	Ampere Range
	PENDING	800mA - 6.3A

Electrical Characteristics for Series

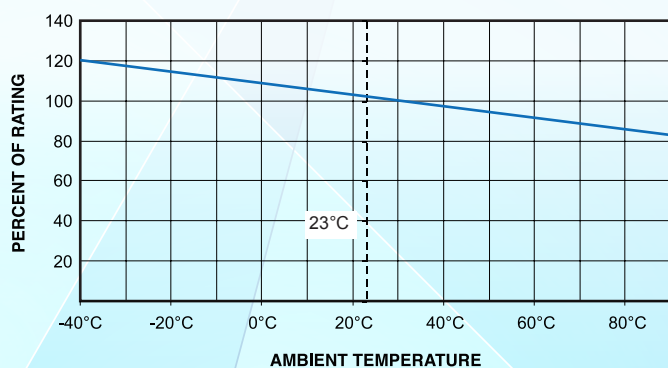
% of Ampere	Opening Time
150%	1 Hour, Min.
210%	120 s, Max.
275%	400 ms, Min. ; 10 Sec., Max.
400%	150 ms, Min. ; 3 Sec., Max.
1000%	20 ms, Min. ; 150 ms, Max.

Performance Specification

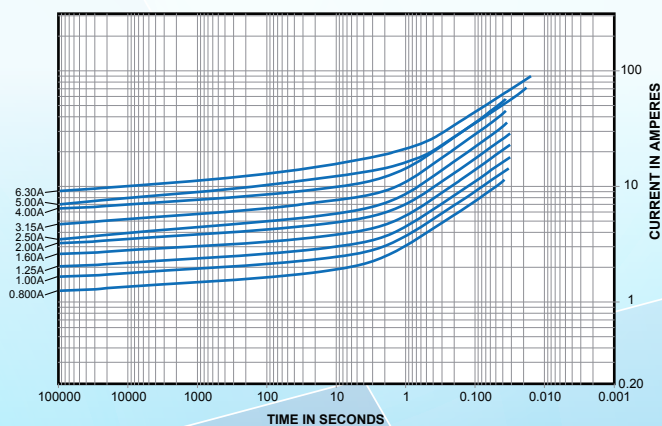
Amp Code	Rated Current	Voltage Rating	Breaking Capacity	Voltage Drop 1.0×I _N max. (mV)	Power Dissipation 1.5×I _N max. (mW)	Melting Integral 10×I _N min. (A ² s)	Agency Approvals
							
0050	50mA	250V	25A/250 VAC	650	18	0.000325	X
0063	63mA	250V	25A/250 VAC	500	22	0.001580	X
0080	80mA	250V	25A/250 VAC	400	28	0.003200	X
0100	100mA	250V	25A/250 VAC	350	40	0.005000	X
0125	125mA	250V	25A/250 VAC	350	75	0.006250	X
0160	160mA	250V	25A/250 VAC	330	120	0.007680	X
0200	200mA	250V	25A/250 VAC	300	140	0.024000	X
0250	250mA	250V	25A/250 VAC	250	160	0.043750	X
0315	315mA	250V	25A/250 VAC	230	180	0.059530	X
0400	400mA	250V	25A/250 VAC	210	200	0.080000	X
0500	500mA	250V	25A/250 VAC	170	240	0.083000	X
0630	630mA	250V	25A/250 VAC	150	260	0.119000	X
0800	800 mA	250 V	25A/250 VAC	110	280	3.80	X
1100	1.00 A	250 V	25A/250 VAC	115	400	5.80	X
1125	1.25 A	250 V	25A/250 VAC	100	500	9.75	X
1160	1.60 A	250 V	25A/250 VAC	95	600	13.50	X
1200	2.00 A	250 V	25A/250 VAC	90	700	21.00	X
1250	2.50 A	250 V	25A/250 VAC	85	750	32.00	X
1315	3.15 A	250 V	32A/250 VAC	80	1100	55.00	X
1400	4.00 A	250 V	40A/250 VAC	75	1200	100.00	X
1500	5.00 A	250 V	50A/250 VAC	70	1000	90.00	X
1630	6.30 A	250 V	63A/250 VAC	65	1200	126.00	X

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

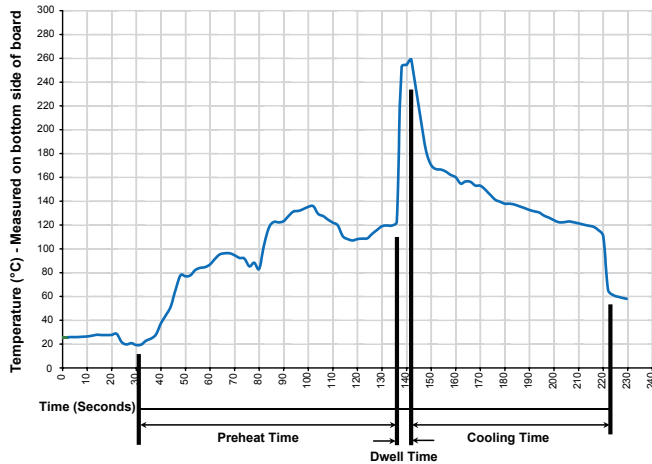
Temperature Derating Curve



Average Time-Current Curve



Soldering Parameters



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature) (Typical Industry Recommendation)	
Temperature Minimum:	100° C
Temperature Maximum:	150° C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260° C Maximum
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5° C

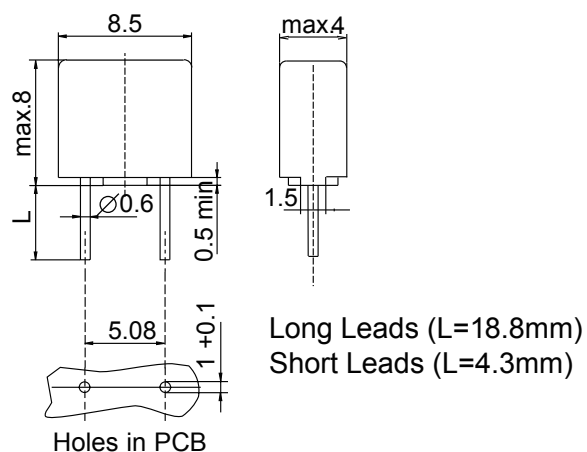
Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

Materials	Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0 Round Pins: Copper, Tin-plated
Lead Pull Strength	10 N (EN 60068-2-21)
Solderability	260°C, ≤ 3s. (Wave) 350°C, ≤ 1s. (Soldering Iron)
Soldering Heat Resistance	260°C, 10s. (IEC 60068-2-20) 350°C, 3s. (Soldering Iron)
Operating Temperature	*-40°C to +125°C (consider de-rating)
Climatic Category	-40°C to +85°C /21 days (EN 60068-1,-2-1,-2-2,-2-78)
Stock Conditions	+10°C to +60°C RH ≤ 75% yearly average, without dew, maximum value for 30 days-95%
Vibration Resistance	24 cycles at 15 min. each(EN 60068-2-6) 10 - 60 Hz at 0.75 mm amplitude 60 - 2000 Hz at 10 g acceleration * Internal test conditions from thermal cycling at 125°C

Dimensions



Product Identification

JFS **xxxx** **T R**

Suffix

T=time-Lag

R=Radial Leded

AMP Code

Refer to Amp Code column of Electrical Characteristics Table

Series

JF=JDT Fuse

S=Square

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Quantity & Packaging Code
JFS Series				
Tape & Ammopack	N/A	1,400	0000	N/A
Short Leads	N/A	1,400	0440	N/A