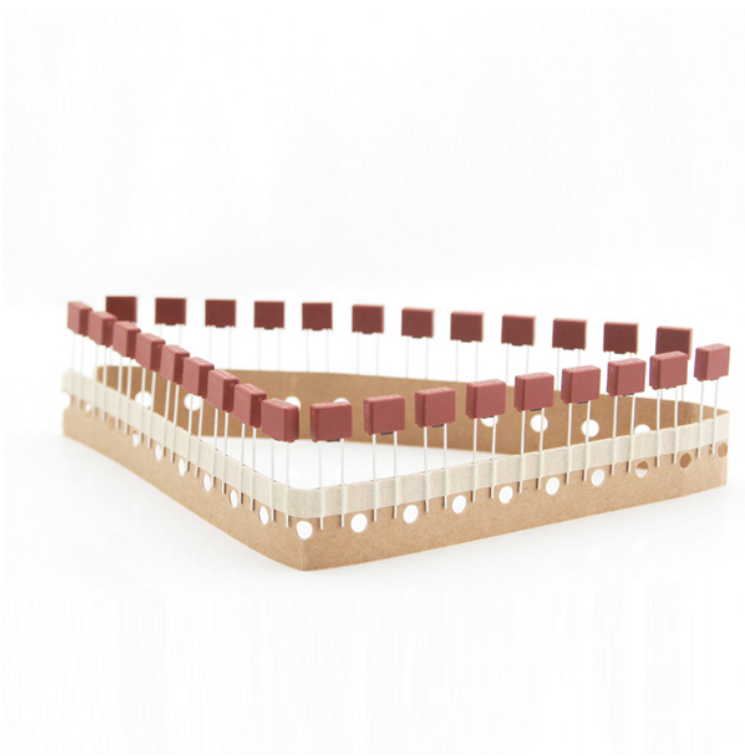


为您的产品保驾护航

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 |
|---|---------------|--------------|
|  | JDYX2.E486200 | 500mA - 6.3A |

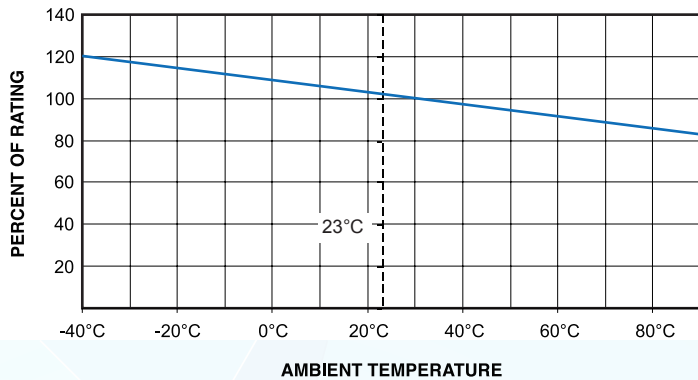
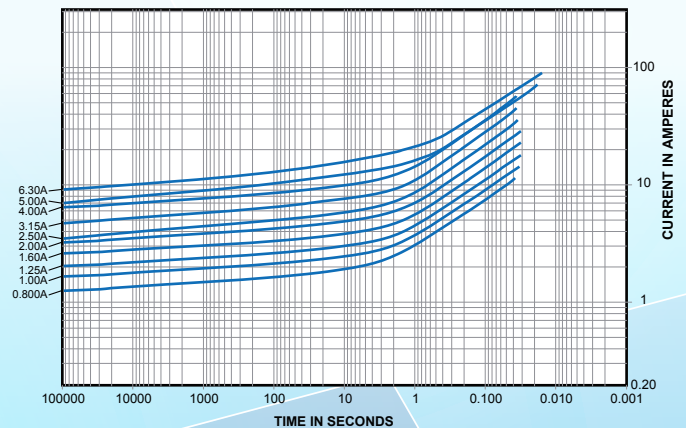
Electrical Characteristics for Series

| % 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. |

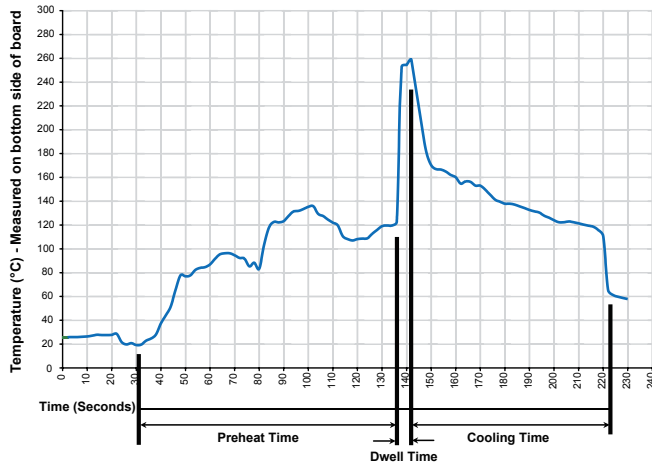
Performance Specification

| 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 |
|----------|---------------|----------------|-------------------|---|--|--|---|
| | | | | | | |  |
| 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 |
| 2100 | 10.0A | 250 V | 100A/250 VAC | 35 | 2000 | 205.00 | 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:

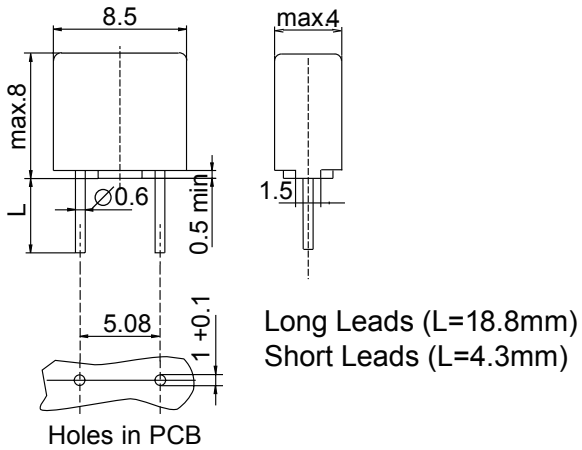
Solder Iron Temperature: 350° C +/- 5° C

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% 24 cycles at 15 min. each(EN 60068-2-6) |
| Vibration Resistance | 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 |