



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

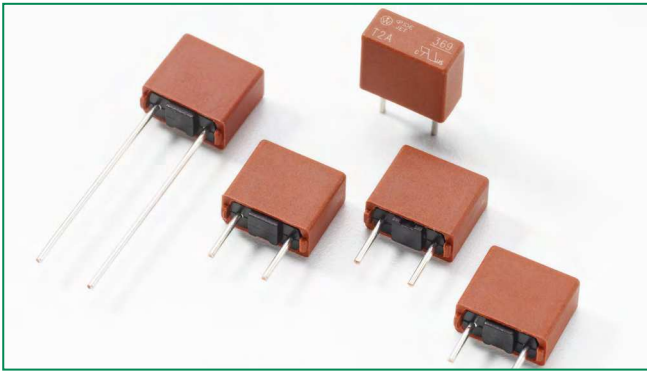
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369 Series, TE5® Time-Lag Fuse



Description

The 369 Series are TE5® Time-Lag Fuses, 300V rated and designed in accordance to IEC 60127-3.





Features

- Halogen free, Lead-free and RoHS compliant
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shock safe casing
- Vibration resistant

Applications

- Electronic Ballast

Agency Approvals

| Agency | Agency File Number | Ampere Range |
|---|---------------------|-----------------------------|
|  | E67006 | 0.800A - 6.3A |
|  | JET 1896-31007-2002 | 1A - 5A |
|  | 1605793 | 1A - 6.3A |
|  | 40037351 | 1A, 1.6A - 2A, 3.15A - 6.3A |

Electrical Characteristics

| % of Ampere Rating | Opening Time |
|--------------------|------------------------------|
| 150% | 1 Hour, Minimum |
| 210% | 120 sec., Maximum |
| 275% | 400 ms., Min.; 10 sec., Max. |
| 400% | 150 ms., Min.; 3 sec., Max. |
| 1000% | 20 ms., Min.; 150 ms., Max. |

Additional Information



Datasheet







Resources



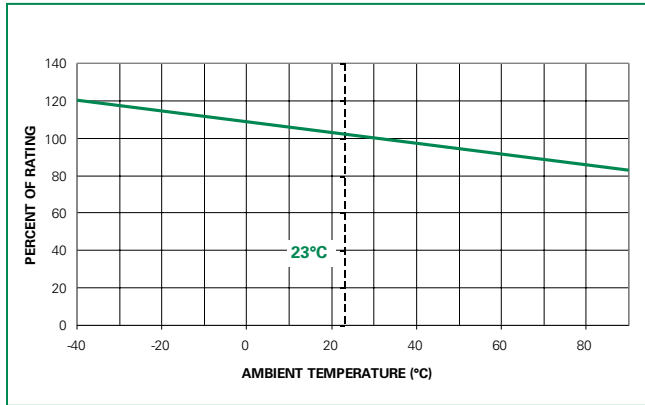
Samples

Electrical Characteristics

| Amp Code | Amp Rating (A) | Voltage Rating (V) | Breaking Capacity | Nominal Cold Resistance (Ohms) | Voltage Drop $1.0 \times I_N$ max. (mV) | Power Dissipation $1.5 \times I_N$ max. (mW) | Melting Integral $10 \times I_N$ max. (A ² s) | Agency Approvals | | | |
|----------|----------------|--------------------|-------------------|--------------------------------|---|--|--|---|---|---|---|
| | | | | | | | |  |  |  |  |
| 0800 | 0.800 | 300 | 50A @300VAC | 0.0960 | 110 | 280 | 5.1200 | x | | | |
| 1100 | 1.00 | 300 | | 0.0715 | 115 | 400 | 8.0000 | x | x | x | x |
| 1160 | 1.60 | 300 | | 0.0400 | 95 | 600 | 18.4320 | x | x | x | x |
| 1200 | 2.00 | 300 | | 0.0298 | 90 | 700 | 29.0000 | x | x | x | x |
| 1315 | 3.15 | 300 | | 0.0170 | 80 | 1100 | 78.3880 | x | x | x | x |
| 1400 | 4.00 | 300 | | 0.0128 | 75 | 1200 | 126.4000 | x | x | x | x |
| 1500 | 5.00 | 300 | | 0.0101 | 70 | 1000 | 106.2500 | x | x | x | x |
| 1630 | 6.30 | 300 | | 0.0077 | 65 | 1200 | 160.7400 | x | | x | x |

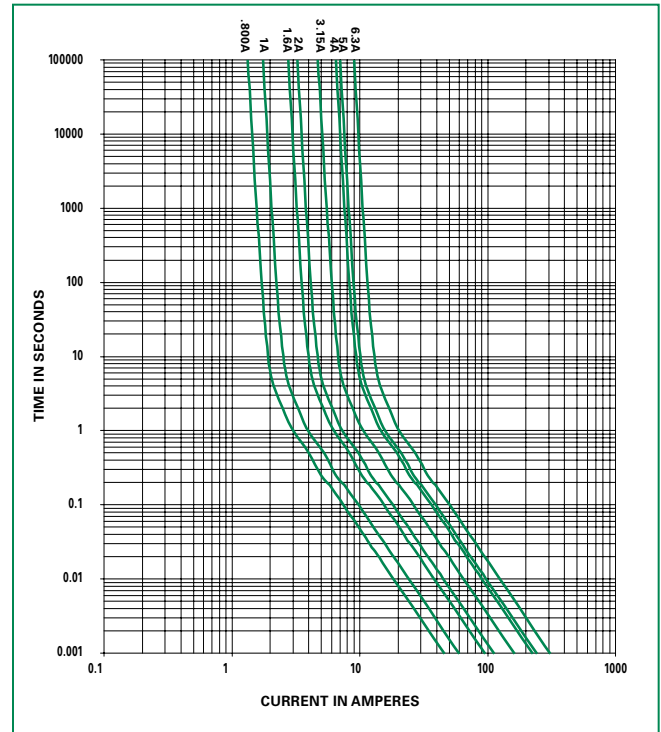
Note:
1. Resistance is measured at 10% of rated current, 25°C.

Temperature Re-rating Curve

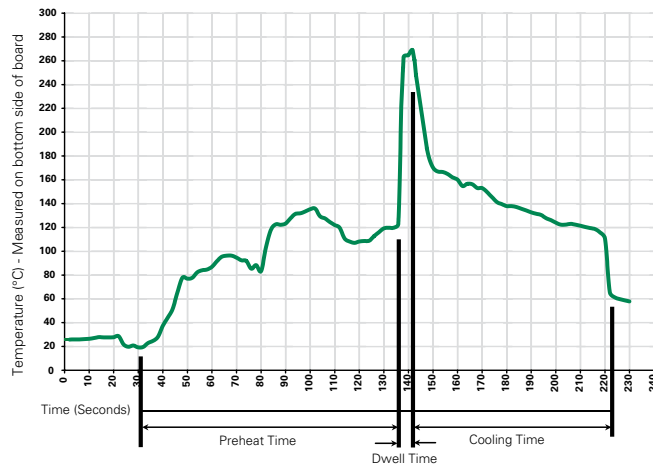


Note:
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



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.

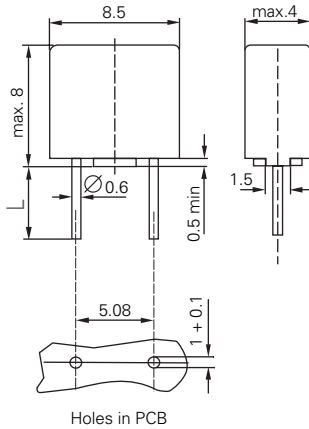
Note: These devices are not recommended for IR or Convection Reflow process.

Product Characteristics

| | |
|----------------------------------|---|
| Materials | Base/Cap: Black/Brown Thermoplastic Polyamide PA 6.6, UL 94 V0 Round Pins: Tin-plated Copper |
| Lead Pull Strength | 10N (IEC 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) |

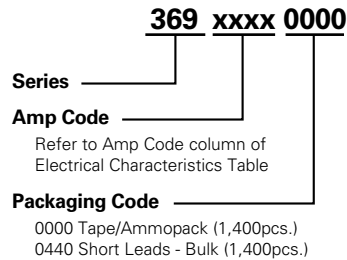
| | |
|------------------------------|--|
| Operating Temperature | -40°C to +85°C (consider re-rating) |
| Climatic Category | -40°C to +85°C/21 days (IEC 60068-1,-2-1,-2-2,-2-78) |
| Stock Conditions | +10°C to +60°C RH, ≤ 75% yearly average, without dew, maximum value for 30 days-95% |
| Vibration Resistance | 24 cycles at 15 min. each (IEC 60068-2-6) 10 - 60Hz at 0.75mm amplitude 60 - 2000Hz at 10g acceleration |

Dimensions



Long Leads (L=18.8mm)
Short Leads (L=4.3mm)

Part Numbering System



Packaging

| Packaging Option | Packaging Specification | Quantity | Quantity & Packaging Code | Taping Width |
|-------------------|-------------------------|----------|---------------------------|--------------|
| 369 Series | | | | |
| Tape & Ammopack | N/A | 1,400 | 0000 | N/A |
| Short Leads | N/A | 1,400 | 0440 | N/A |