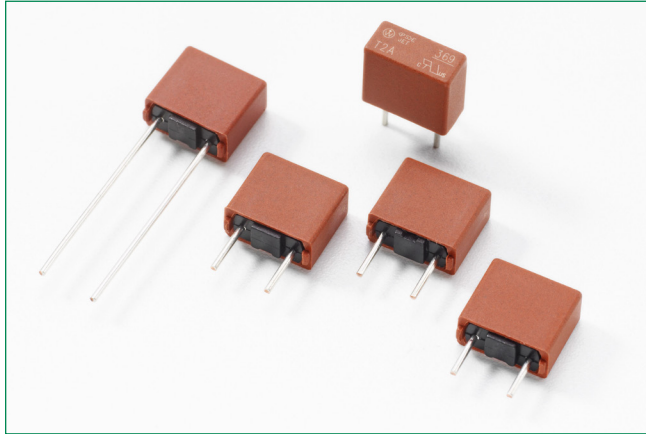


# 369 Series

## 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
- Recognized to UL/CSA/NMX 248-1 and UL/CSA/NMX 248-14
- Conforms to EN/J 60127-1 and EN/J 60127-3

### Agency Approvals

| Agency | Agency File/Certificate Number | Ampere Range  |
|--------|--------------------------------|---------------|
|        | E67006                         | 0.800A - 6.3A |
|        | JET 1896-31007-2002            | 1A - 5A       |
|        | 40037351                       | 1A - 6.3A     |

### Applications

- Electronic Ballast

### 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



Resources



Accessories



Samples

### Electrical Characteristics

| Amp Code | Amp Rating, I <sub>n</sub> (A) | Voltage Rating (V) | Breaking Capacity | Nominal Cold Resistance (Ohms) <sup>1</sup> | Voltage Drop 1.0 × I <sub>N</sub> max. (mV) | Power Dissipation 1.5 × I <sub>N</sub> max. (mW) | Melting Integral 10 × I <sub>N</sub> max. (A2s) | 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 |
| 1160     | 1.60                           | 300                |                   | 0.0400                                      | 95                                          | 600                                              | 18.4320                                         | x                | x | x |
| 1200     | 2.00                           | 300                |                   | 0.0298                                      | 90                                          | 700                                              | 29.0000                                         | x                | x | x |
| 1315     | 3.15                           | 300                |                   | 0.0170                                      | 80                                          | 1100                                             | 78.3880                                         | x                | x | x |
| 1400     | 4.00                           | 300                |                   | 0.0128                                      | 75                                          | 1200                                             | 126.4000                                        | x                | x | x |
| 1500     | 5.00                           | 300                |                   | 0.0101                                      | 70                                          | 1000                                             | 106.2500                                        | x                | x | x |
| 1630     | 6.30                           | 300                |                   | 0.0077                                      | 65                                          | 1200                                             | 160.7400                                        | x                |   | x |

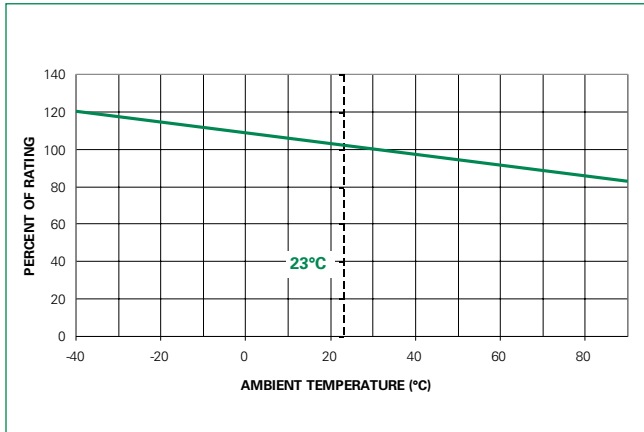
**Note:**

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

# 369 Series

## TE5® Time-Lag Fuse

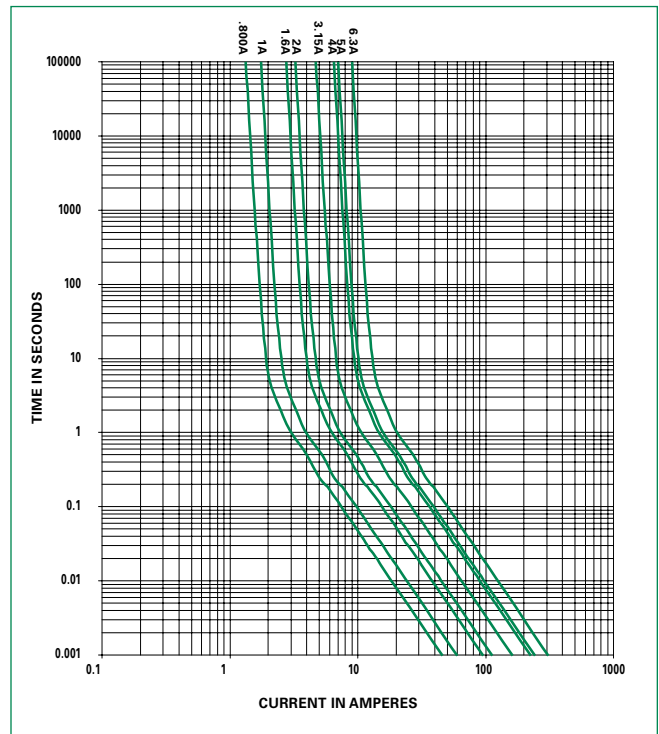
### Temperature Re-rating Curve



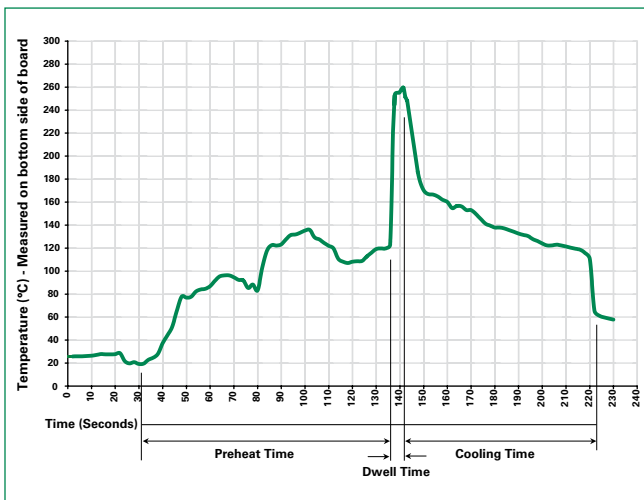
Note:

1. Derating 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:<br>(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.

# 369 Series

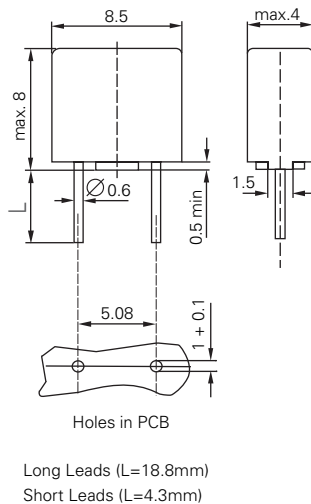
## TE5® Time-Lag Fuse

### Product Characteristics

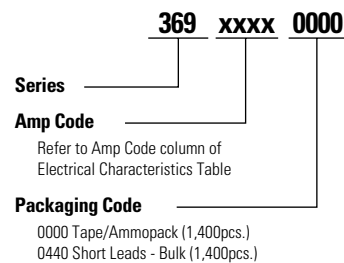
|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Materials</b>                 | Base/Cap: Black/Brown Thermoplastic<br>Polyamide PA 6.6, UL 94 V0<br>Round Pins: Tin-plated Copper |
| <b>Lead Pull Strength</b>        | 10N (IEC 60068-2-21)                                                                               |
| <b>Solderability</b>             | 260°C, ≤ 3s. (Wave)<br>350°C, ≤ 1s. (Soldering Iron)                                               |
| <b>Soldering Heat Resistance</b> | 260°C, 10s. (IEC 60068-2-20)<br>350°C, 3s. (Soldering Iron)                                        |

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

### Dimensions (mm)



### Part Numbering System



### Packaging

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