

### 875 Series Fuse, Lead-free 3.6×10 mm, Slo-Blo® Fuse



#### Description

Single Pigtail Axial Lead 3.6×10mm, Slo-Blo® Fuse

#### Features

- Designed to UL/CSA 248 Standard
- Slo-Blo® Fuse, ceramic body fuse in a compact package
- Single Pigtail Axial Lead format
- Pb-free and RoHS Compliant
- Available in ratings of 0.10 to 10 Amperes

#### Agency Approvals

| Agency                                                                            | Agency File Number | Ampere Range  |
|-----------------------------------------------------------------------------------|--------------------|---------------|
|  | E10480             | 0.100A - 10 A |

#### Additional Information



**Datasheet**



**Resources**



**Samples**

#### Applications

This space saving fuse is ideally suited for lighting, power supply, and adapter applications.

#### Electrical Characteristics

| % of Ampere Rating | Opening Time        |
|--------------------|---------------------|
| 100%               | 4 hours, Minimum    |
| 200%               | 60 seconds, Maximum |

#### Electrical Characteristics

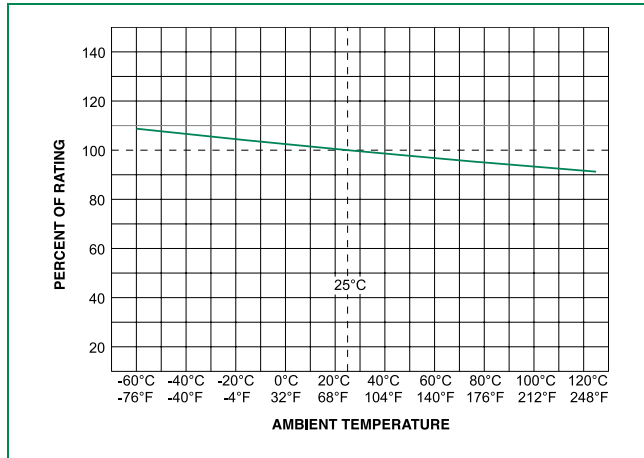
| Amp Code | Ampere Rating (A) | Voltage Rating (V) | Interrupting Rating | Nominal Cold Resistance (Ohms) | Nominal Melting I <sup>2</sup> t (A² sec) | Agency Approvals                                                                      |
|----------|-------------------|--------------------|---------------------|--------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------|
|          |                   |                    |                     |                                |                                           |  |
| .100     | 0.100             | 250                | 50A @ 250 VAC       | 3.000                          | 0.0023                                    | x                                                                                     |
| .125     | 0.125             | 250                |                     | 2.060                          | 0.0072                                    | x                                                                                     |
| .200     | 0.200             | 250                |                     | 0.921                          | 0.0086                                    | x                                                                                     |
| .250     | 0.250             | 250                |                     | 0.6575                         | 0.038                                     | x                                                                                     |
| .300     | 0.300             | 250                |                     | 0.435                          | 0.043                                     | x                                                                                     |
| .400     | 0.400             | 250                |                     | 0.321                          | 0.136                                     | x                                                                                     |
| .500     | 0.500             | 250                |                     | 0.256                          | 0.288                                     | x                                                                                     |
| .600     | 0.600             | 250                |                     | 0.151                          | 0.611                                     | x                                                                                     |
| .800     | 0.800             | 250                |                     | 0.116                          | 0.919                                     | x                                                                                     |
| 001.     | 1.00              | 250                |                     | 0.095                          | 1.503                                     | x                                                                                     |
| 01.5     | 1.50              | 250                |                     | 0.0519                         | 4.33                                      | x                                                                                     |
| 01.6     | 1.60              | 250                |                     | 0.0476                         | 5.08                                      | x                                                                                     |
| 002.     | 2.00              | 250                |                     | 0.02887                        | 8.45                                      | x                                                                                     |
| 02.5     | 2.50              | 250                |                     | 0.02246                        | 17.85                                     | x                                                                                     |
| 003.     | 3.00              | 250                |                     | 0.0171                         | 42.85                                     | x                                                                                     |
| 004.     | 4.00              | 250                |                     | 0.0135                         | 42.45                                     | x                                                                                     |
| 005.     | 5.00              | 250                |                     | 0.00954                        | 60.90                                     | x                                                                                     |
| 006.     | 6.00              | 250                |                     | 0.00891                        | 72.30                                     | x                                                                                     |
| 007.     | 7.00              | 250                |                     | 0.008                          | 106.80                                    | x                                                                                     |
| 008.     | 8.00              | 250                |                     | 0.0077                         | 134.59                                    | x                                                                                     |
| 010.     | 10.00             | 250                |                     | 0.00675                        | 208.00                                    | x                                                                                     |

Notes:  
Cold resistance measured at less than 10% of rated current at 23°C.

# Axial Lead & Cartridge Fuses

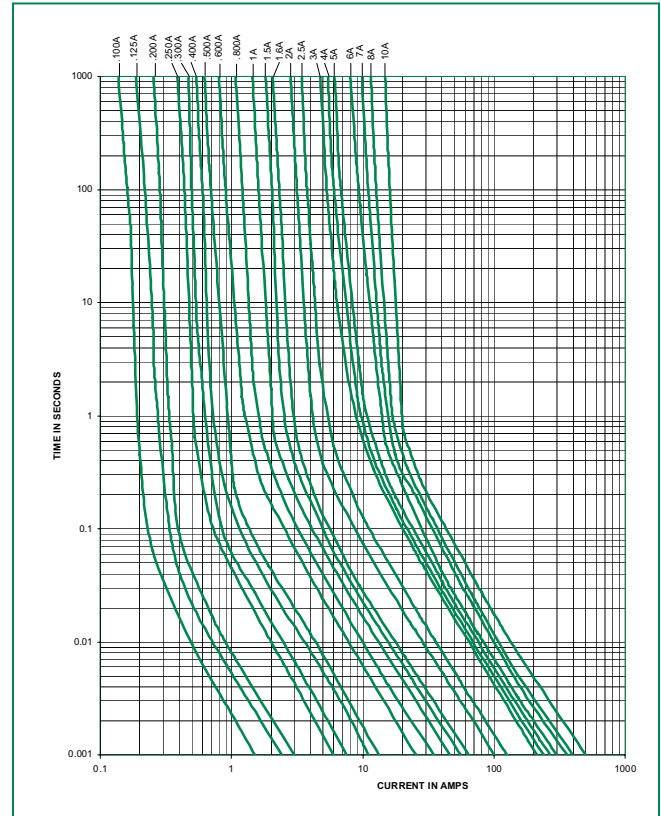
## 3.6 X 10 mm > Slo-Blo® Fuse > 875 Series

### Temperature Re-rating Curve

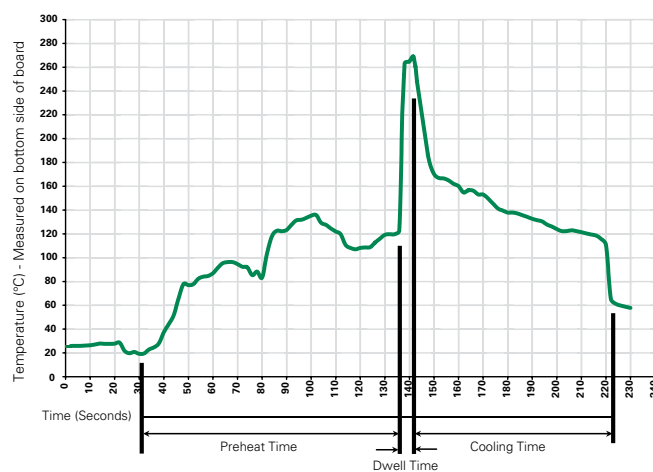


Note:  
1. Derating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

### Average Time Current Curves



### Soldering Parameters - Wave Soldering



### Recommended Process Parameters:

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

### Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350°C +/- 5°C  
Heating Time: 5 seconds max.

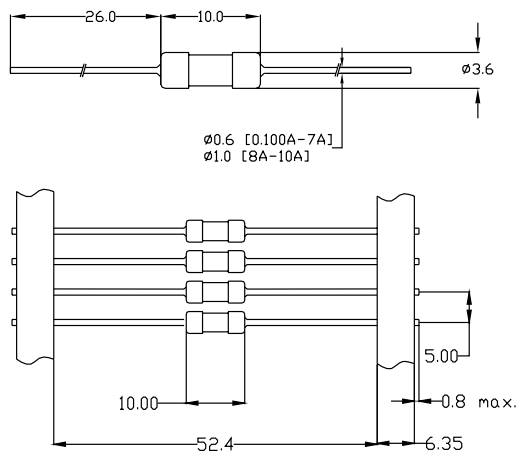
**Note:** These devices are not recommended for IR or Convection Reflow process.

### Product Characteristics

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>Materials</b>         | Body: Ceramic<br>Cap: Nickel Plated Brass<br>Tin Plated Copper                |
| <b>Terminal Strength</b> | MIL-STD-202, Method 211,<br>Test Condition A                                  |
| <b>Solderability</b>     | MIL-STD-202, Method 208                                                       |
| <b>Product Marketing</b> | Body: Brand Logo, Current Rating<br>Characteristic "T", Agency approval marks |
| <b>Packaging</b>         | Bulk (1000 pcs/pkg)<br>Tape & Reel (1000 pcs/reel)                            |

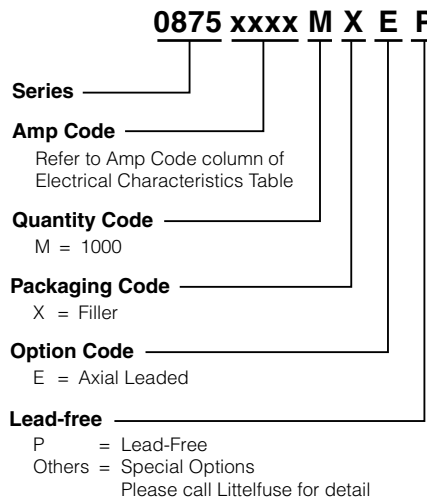
|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| <b>Operating Temperature</b> | -55°C to 125°C                                                          |
| <b>Thermal Shock</b>         | MIL-STD-202, Method 107<br>Test Condition B3 (5 cycles -65°C to +125°C) |
| <b>Vibration</b>             | MIL-STD-202, Method 201 (10-55 Hz)                                      |
| <b>Humidity</b>              | MIL-STD-202, Method 106,<br>High Humidity (90-98%RH), Heat<br>(65°C)    |
| <b>Salt Spray</b>            | MIL-STD-202, Method 101, Test<br>Condition B                            |

### Dimensions



All dimensions in mm

### Part Numbering System



### Packaging

| Packaging Option  | Packaging Specification | Quantity | Quantity & Packaging Code | Taping Width       |
|-------------------|-------------------------|----------|---------------------------|--------------------|
| <b>875 Series</b> |                         |          |                           |                    |
| Bulk              | Bulk                    | 1000     | MXE                       | N/A                |
| Tape and Reel     | EIA 296                 | 1000     | MRET1                     | T1 = 52mm (2.062") |