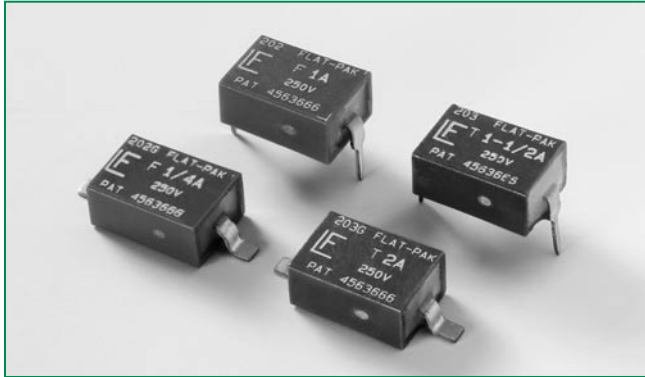




### 203 Series Fuse



#### Description

Fast-Acting and Slo-Blo® Fuse versions of the Flat-Pak Fuse designs are available. Both designs are available in either a gull-wing surface mount package or a DIP configuration for through-hole mounting. These fuse designs feature a 250 VAC rating in a low profile, rectangular package.



#### Agency Approvals

| AGENCY  | AGENCY FILE NUMBER | AMPERE RANGE |
|---|--------------------|--------------|
|  | E10480             | 1/4mA - 5A   |
|  | LR29862            | 1/4mA - 5A   |

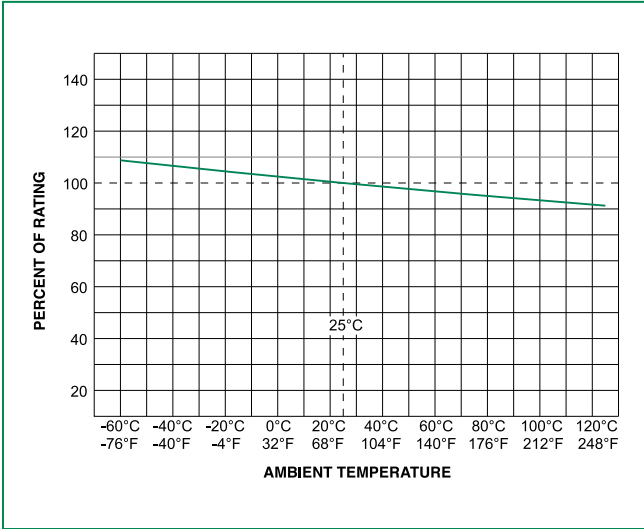
#### Electrical Characteristics for Series

| % of Ampere Rating | Opening Time                   |
|--------------------|--------------------------------|
| 100%               | 4 hours, Minimum               |
| 200%               | 1 second, Min; 30 seconds Max. |

#### Electrical Specifications by Item

| Ampere Rating (A) | Amp Code | Max Voltage Rating (V) | Interrupting Rating | Nominal Cold Resistance (Ohms) | Nominal Melting I <sup>2</sup> t (A <sup>2</sup> sec) | Agency Approvals  |   |
|-------------------|----------|------------------------|---------------------|--------------------------------|---|---|---|
|                   |          |                        |                     |                                |   |  |  |
| 0.25              | .250     | 250                    | 50 amperes @250 VAC | 1.36                           | 0.0126  | x   | x   |
| 0.50              | .500     | 250                    |                     | 0.433                          | 0.112   | x   | x   |
| 0.75              | .750     | 250                    |                     | 0.158                          | 0.327   | x   | x   |
| 1.00              | .001     | 250                    |                     | 0.0755                         | 0.328   | x   | x   |
| 1.50              | 01.5     | 250                    |                     | 0.0390                         | 0.850   | x   | x   |
| 2.00              | 002.     | 250                    |                     | 0.0345                         | 1.70  | x   | x   |
| 2.50              | 02.5     | 250                    |                     | 0.0237                         | 2.87  | x   | x   |
| 3.00              | 003.     | 250                    |                     | 0.0197                         | 4.40  | x   | x   |
| 4.00              | 004.     | 250                    |                     | 0.0148                         | 8.75  | x   | x   |
| 5.00              | 005.     | 250                    |                     | 0.0124                         | 14.7  | x   | x   |

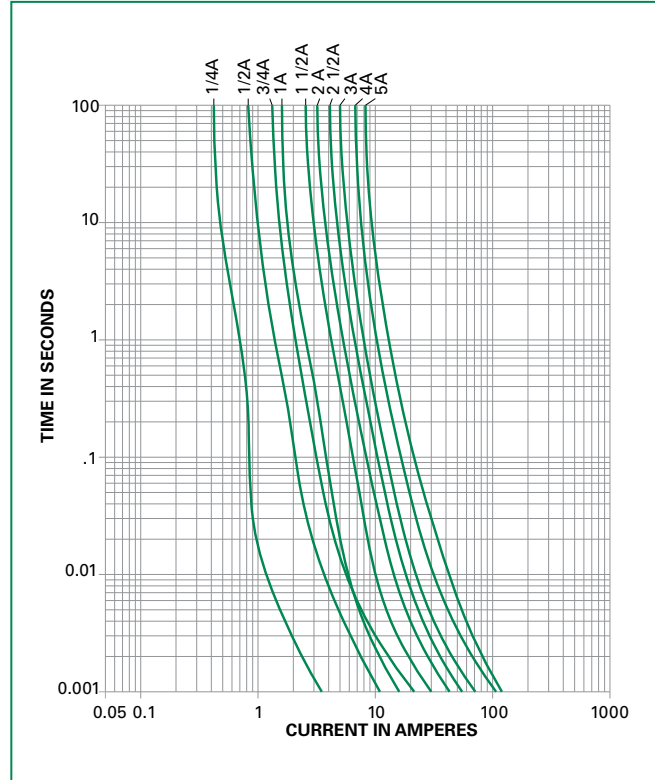
### Temperature Derating Curve



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

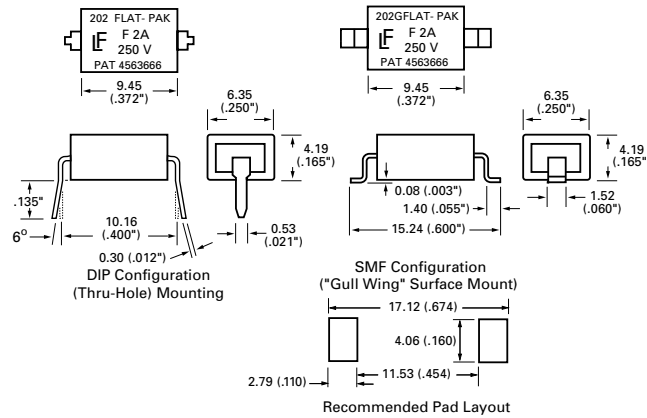
|                  |                        |
|------------------|------------------------|
| Wave Soldering   | 260°C, 3 seconds max.  |
| Reflow Soldering | 215°C, 30 seconds max. |

### Product Characteristics

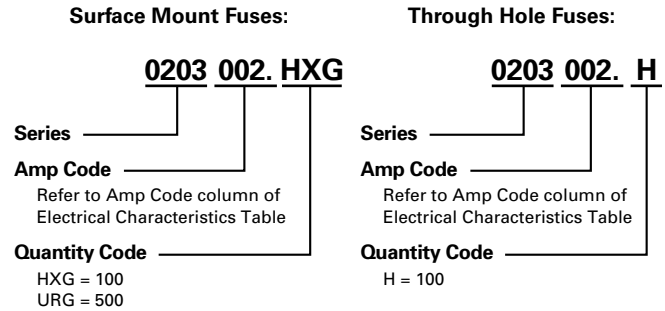
|                      |   |
|----------------------|---|
| <b>Materials</b>     | <b>Body:</b> Thermoplastic<br><b>Terminations:</b> Tin/Lead Plated Copper |
| <b>Solderability</b> | MIL-STD-202, Method 208   |

|                              |  |
|------------------------------|--|
| <b>Cleaning</b>              | Board washable in most common solvents |
| <b>Operating Temperature</b> | -55°C to 125°C                         |

### Dimensions



### Part Numbering System



### Packaging

| Packaging Option           | Packaging Specification    | Quantity | Quantity & Packaging Code |
|----------------------------|----------------------------|----------|---------------------------|
| <b>Surface Mount Fuses</b> |                            |          |                           |
| Bulk                       | -                          | 100      | HXG                       |
| 24mm Tape and Reel         | EIA 481 (IEC60286, part 3) | 500      | URG                       |
| <b>Through Hole Fuses</b>  |                            |          |                           |
| Antistatic Magazine        | -                          | 100      | H                         |

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