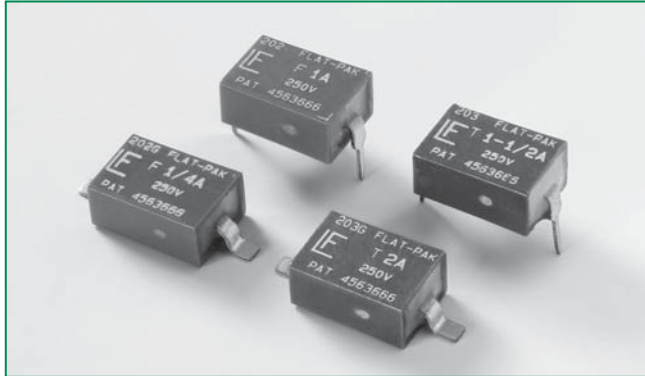


## 203 Series Fuse



### 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   |

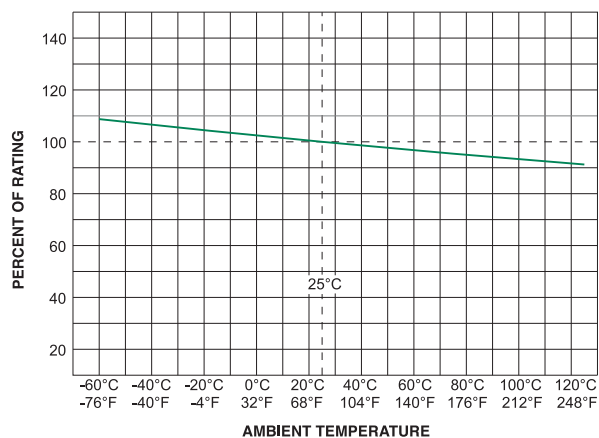
### Electrical Characteristics for Series

| % 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 |

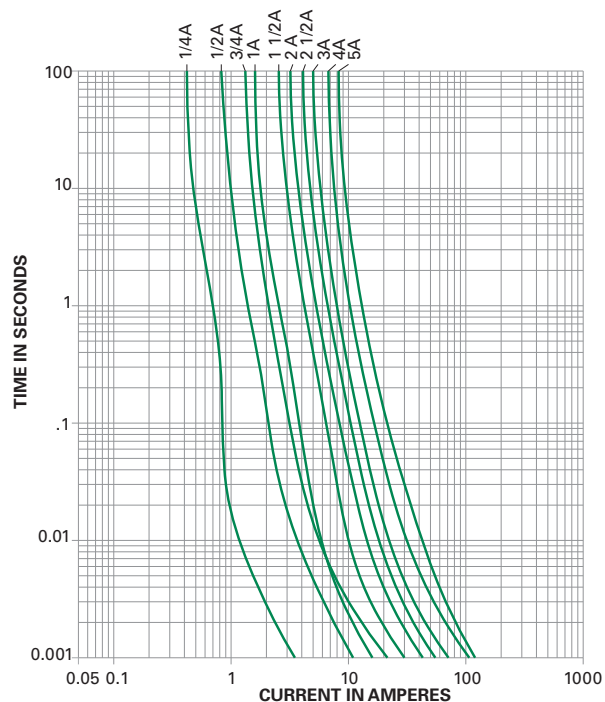
### Temperature Derating Curve



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

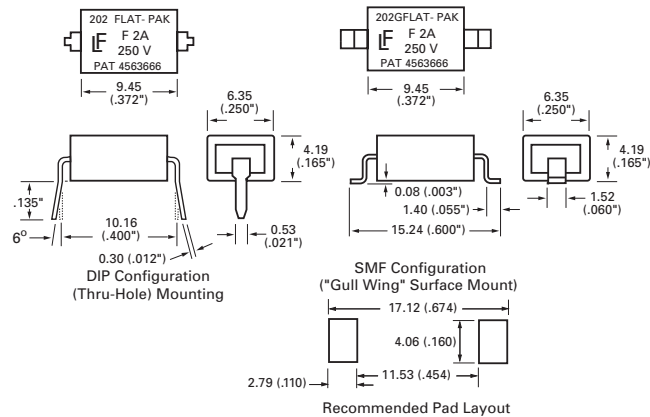
|                  |                        |
|------------------|------------------------|
| Wave Soldering   | 260°C, 3 seconds max.  |
| Reflow Soldering | 215°C, 30 seconds max. |

**Product Characteristics**

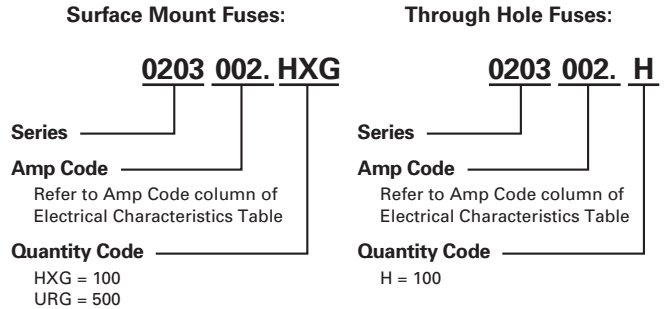
|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| <b>Materials</b>     | <b>Body:</b> Thermoplastic<br><b>Terminations:</b> Tin/Lead Plated Copper |
| <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**



**203 Series**

**Packaging**

| Packaging Option           | Packaging Specification        | Quantity | Quantity & Packaging Code |
|----------------------------|--------------------------------|----------|---------------------------|
| <b>Surface Mount Fuses</b> |                                |          |                           |
| Bulk                       | —                              | 100      | HXG                       |
| 24mm Tape and Reel         | EIA RS-481-2 (IEC 286, part 3) | 500      | URG                       |
| <b>Through Hole Fuses</b>  |                                |          |                           |
| Antistatic Magazine        | —                              | 100      | H                         |

