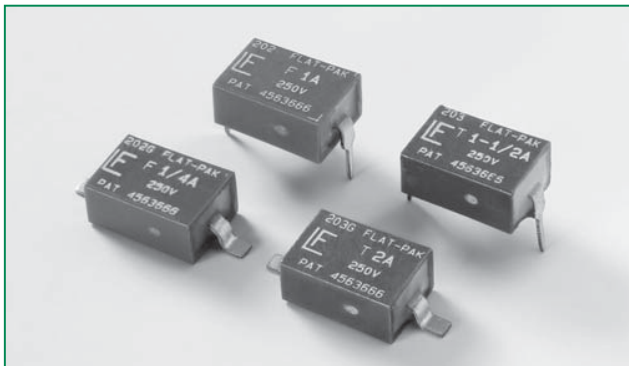


203 Series Fuse



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 |

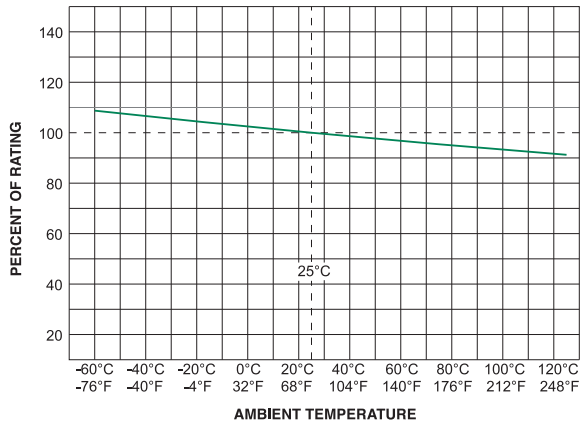
Electrical Characteristics for Series

| % 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 ² t (A ² 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 |

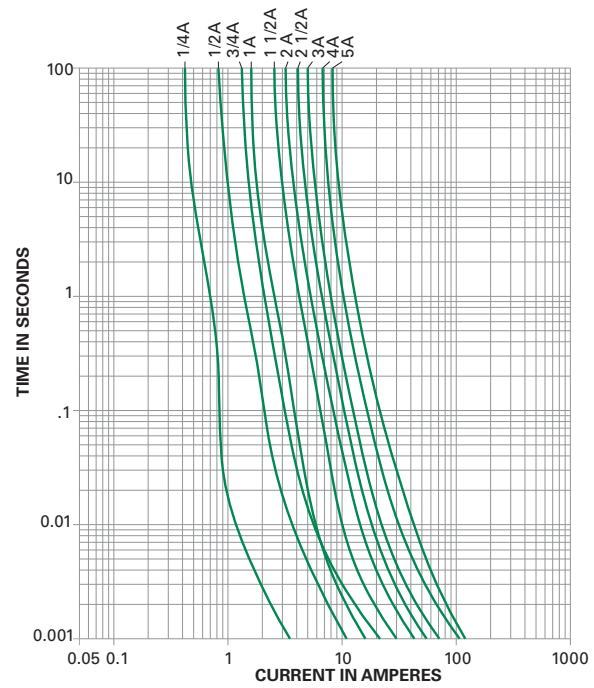
Temperature Derating Curve



Note:

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

Average Time Current Curves



Soldering Parameters

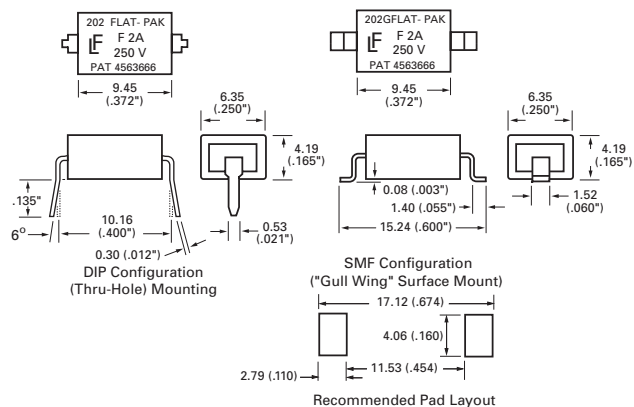
| | |
|------------------|------------------------|
| Wave Soldering | 260°C, 3 seconds max. |
| Reflow Soldering | 215°C, 30 seconds max. |

Product Characteristics

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

| | |
|------------------------------|--|
| Cleaning | Board washable in most common solvents |
| Operating Temperature | –55°C to 125°C |

Dimensions



Part Numbering System

| Surface Mount Fuses: | Through Hole Fuses: |
|--|--|
| 0203 002. HXG | 0203 002. H |
| Series | Series |
| Amp Code | Amp Code |
| Refer to Amp Code column of Electrical Characteristics Table | Refer to Amp Code column of Electrical Characteristics Table |
| Quantity Code | Quantity Code |
| HXG = 100 URG = 500 | H = 100 |

203 Series

Packaging

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

