

# Surface Mount Fuses

## Subminiature Surface Mount & Dip Types

### FLAT-PAK® Slo-Blo® Fuse 203 Series



• For new designs please use the 465 Series, NANO® 250V UMF Fuse.  
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.

#### ELECTRICAL CHARACTERISTICS:

| % of Ampere Rating | Opening Time               |
|--------------------|----------------------------|
| 100%               | 4 hours, <b>Minimum</b>    |
| 200%               | 1 second, <b>Minimum</b>   |
|                    | 30 seconds, <b>Maximum</b> |

**AGENCY APPROVALS:** Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

**AGENCY FILE NUMBERS:** UL E10480, CSA LR 29862.

#### INTERRUPTING RATING:

50 amperes at 250 VAC.

#### ENVIRONMENTAL SPECIFICATION:

**Operating Temperature:** -55°C to 125°C.

#### PHYSICAL SPECIFICATIONS:

**Materials:** Body: Thermoplastic

Terminations: Tin/Lead Plated Copper

#### Soldering Parameters:

Wave Solder — 260°C, 3 seconds maximum.

Reflow Solder — 215°C, 30 seconds maximum.

**Solderability:** MIL-STD-202, Method 208.

**Cleaning:** Board washable in most common solvents.

#### PACKAGING SPECIFICATIONS:

SMF Fuses — 24mm Tape and Reel per EIA-RS481-2 (IEC 286, part 3); 500 per reel.

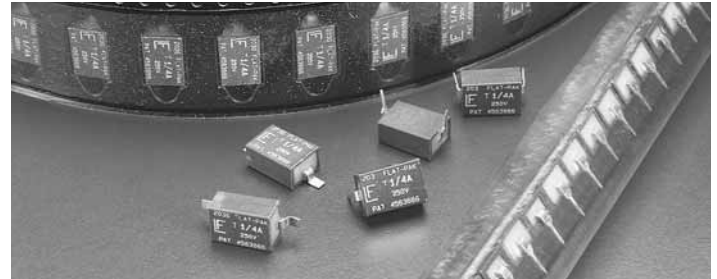
DIP Fuses — Antistatic magazine, 100 per magazine.

#### PATENTED

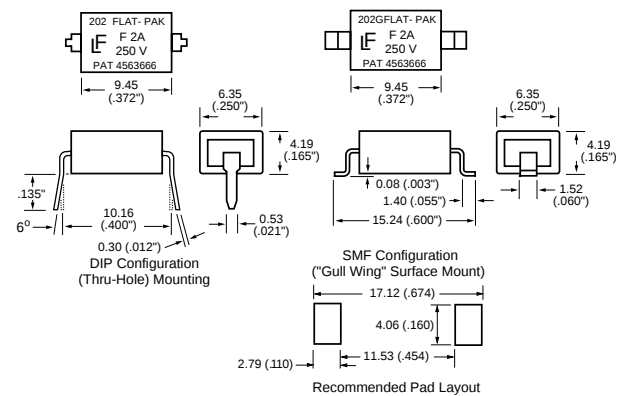
#### ORDERING INFORMATION

| Catalog Number | Catalog <sup>1</sup> Number | Ampere Rating | Voltage Rating | Nominal Resistance Cold Ohms | Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec. |
|----------------|-----------------------------|---------------|----------------|------------------------------|------------------------------------------------------|
| 203.250        | 203.250G                    | 1/4           | 250            | 1.36                         | 0.0126                                               |
| 203.500        | 203.500G                    | 1/2           | 250            | 0.433                        | 0.112                                                |
| 203.750        | 203.750G                    | 3/4           | 250            | 0.158                        | 0.327                                                |
| 203.001        | 203.001G                    | 1             | 250            | 0.0755                       | 0.328                                                |
| 203.015        | 203.015G                    | 1½            | 250            | 0.0390                       | 0.850                                                |
| 203.002        | 203.002G                    | 2             | 250            | 0.0345                       | 1.70                                                 |
| 203.025        | 203.025G                    | 2½            | 250            | 0.0237                       | 2.87                                                 |
| 203.003        | 203.003G                    | 3             | 250            | 0.0197                       | 4.40                                                 |
| 203.004        | 203.004G                    | 4             | 250            | 0.0148                       | 8.75                                                 |
| 203.005        | 203.005G                    | 5             | 250            | 0.0124                       | 14.7                                                 |

<sup>1</sup>SMF fuse marking includes the letter "G" next to the series number indicating "Gull-Wing".



#### Reference Dimensions:



#### Average Time Current Curves

