

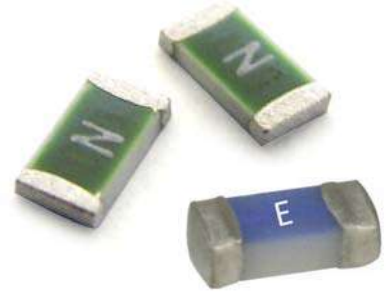
# 0603 Fast Acting SMD Fuses

## 06.000 Series



### Description

06.000 Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



| Electrical Characteristics |                |                |
|----------------------------|----------------|----------------|
| Rated Current              | 1.0In          | 2.0In          |
| 250mA~8A                   | 4 hour minimum | 60 sec maximum |

### Features

- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

### Specifications

| Specification |               |  |                   |                            |                                      |                           |   |            |
|---------------|---------------|--|-------------------|----------------------------|--------------------------------------|---------------------------|---|------------|
| Part No.      | Rated Voltage |  | Rated Current (A) | Breaking Capacity (A)<br>1 | Typical Cold Resistance (mOhms)<br>2 | Typical Voltage Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)<br>3 | Alpha Mark |
|               | DC            |  |                   |                            |                                      |                           |   |            |
| 06.000.0.25   | 63V           |  | 0.250             | 50A                        | 3250                                 | 893                       | 0.00042   | D          |
| 06.000.0.375  |               |  | 0.375             | 50A                        | 1310                                 | 587                       | 0.00093   | E          |
| 06.000.0.5    |               |  | 0.500             | 50A                        | 1070                                 | 582                       | 0.0020  | F          |
| 06.000.0.75   |               |  | 0.750             | 50A                        | 470                                  | 427                       | 0.0092  | G          |
| 06.000.1      |               |  | 1                 | 50A                        | 300                                  | 295                       | 0.011   | B          |
| 06.000.1.5    | 32V           |  | 1.5               | 50A                        | 150                                  | 220                       | 0.045   | H          |
| 06.000.2      |               |  | 2                 | 50A                        | 72                                   | 160                       | 0.115   | K          |
| 06.000.2.5    |               |  | 2.5               | 50A                        | 52                                   | 145                       | 0.14  | L          |
| 06.000.3      |               |  | 3                 | 50A                        | 35                                   | 130                       | 0.21  | O          |
| 06.000.3.5    |               |  | 3.5               | 50A                        | 23.8                                 | 130                       | 0.55  | R          |
| 06.000.4      |               |  | 4                 | 50A                        | 21                                   | 120                       | 0.52  | S          |
| 06.000.5      |               |  | 5                 | 50A                        | 14                                   | 110                       | 1.20  | T          |
| 06.000.6      |               |  | 6                 | 50A                        | 8                                    | 110                       | 1.70  | V          |
| 06.000.7      | -             |  | 7                 | 50A                        | 5.6                                  | 80                        | 2.30  | X          |
| 06.000.8      |               |  | 8                 | 50A                        | 3.5                                  | 75                        | 3.00  | Z          |

\* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

\* Typical Pre-arching I<sup>2</sup>t are measured at 10In Current

\*\* For fuse 1A-5A, the color of glass coating is Green; For others, its Blue.

### Dimension Drawing not to scale (Unit: mm/inch)

