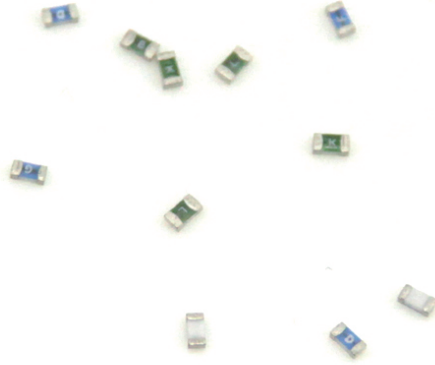


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PRODUCT DATASHEET

Surface Mount Fuses


**JFC0603FS Series Fuse**



## Description

JFC0603FS 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.

## Agency Approvals

| AGENCY  | AGENCY FILE NUMBER |
|---|--------------------|
|  | E486200            |

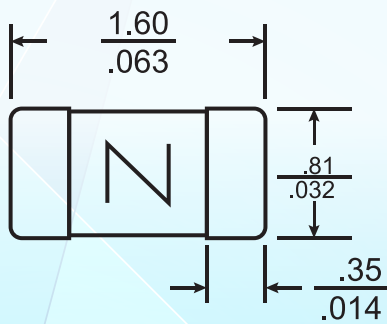
## Features

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

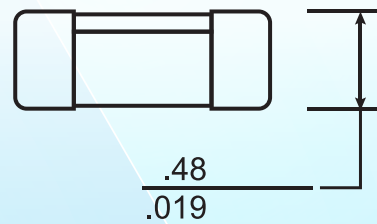
## Electrical Characteristics

| Rated Current | 1.0In       | 2.0In          |
|---------------|-------------|----------------|
| 250mA~8A      | 4 hour min. | 60 sec maximum |

## Dimensions



Topview



Sideview

**Performance Specification**

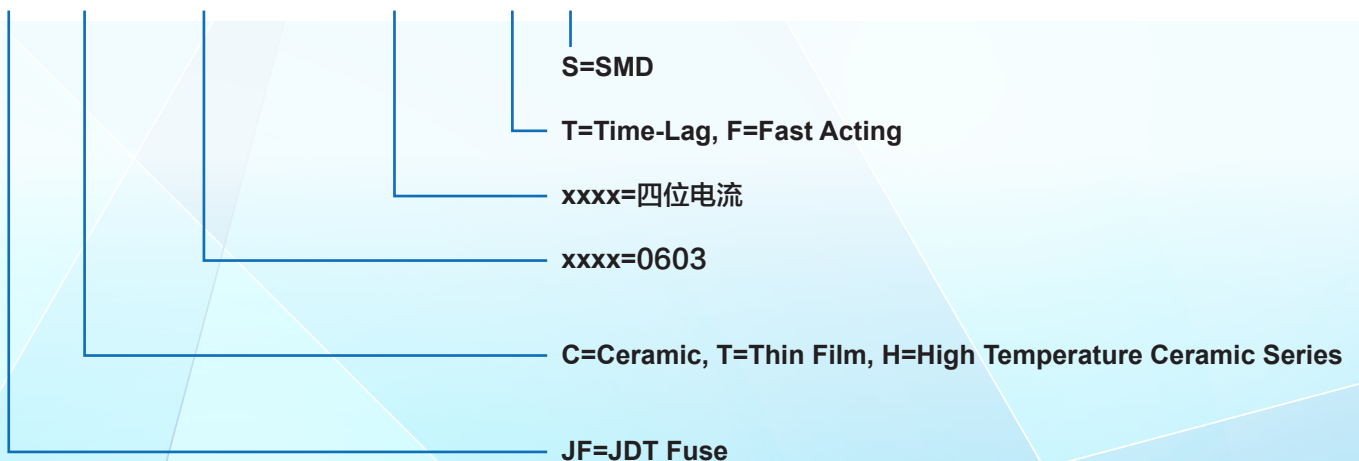
| Part No.       | Rated Voltage DC | Rated Current (A) | Breaking Capacity <sup>1</sup> | Typical Cold Resistance (mOhms) <sup>2</sup> | Typical Voltage Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) <sup>3</sup> | Alpha Marking |
|----------------|------------------|-------------------|--------------------------------|--|---------------------------|---|---------------|
| JFC0603-0250FS | 32V              | 0.250             | 50A                            | 3250   | 893                       | 0.00042   | D             |
| JFC0603-0375FS |                  | 0.375             |                                | 1310   | 587                       | 0.00093   | E             |
| JFC0603-0500FS |                  | 0.500             |                                | 1070   | 582                       | 0.0010  | F             |
| JFC0603-0750FS |                  | 0.750             |                                | 470  | 427                       | 0.0090  | G             |
| JFC0603-1100FS |                  | 1                 |                                | 300  | 345                       | 0.011   | B             |
| JFC0603-1125FS |                  | 1.25              |                                | 204  | 315                       | 0.013   | J             |
| JFC0603-1150FS |                  | 1.5               |                                | 150  | 270                       | 0.045   | H             |
| JFC0603-1200FS |                  | 2                 |                                | 72   | 160                       | 0.115   | K             |
| JFC0603-1250FS |                  | 2.5               |                                | 52   | 145                       | 0.14  | L             |
| JFC0603-1300FS |                  | 3                 |                                | 35   | 130                       | 0.21  | O             |
| JFC0603-1350FS |                  | 3.5               |                                | 23.8   | 130                       | 0.50  | R             |
| JFC0603-1400FS |                  | 4                 |                                | 21   | 120                       | 0.56  | S             |
| JFC0603-1500FS |                  | 5                 |                                | 14   | 110                       | 1.2   | T             |
| JFC0603-1600FS |                  | 6                 |                                | 8.5  | 110                       | 1.7   | V             |
| JFC0603-1700FS |                  | 7                 |                                | 7.3  | 80                        | 2.3   | X             |
| JFC0603-1800FS |                  | 8                 |                                | 5.1  | 75                        | 3.0   | Z             |

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

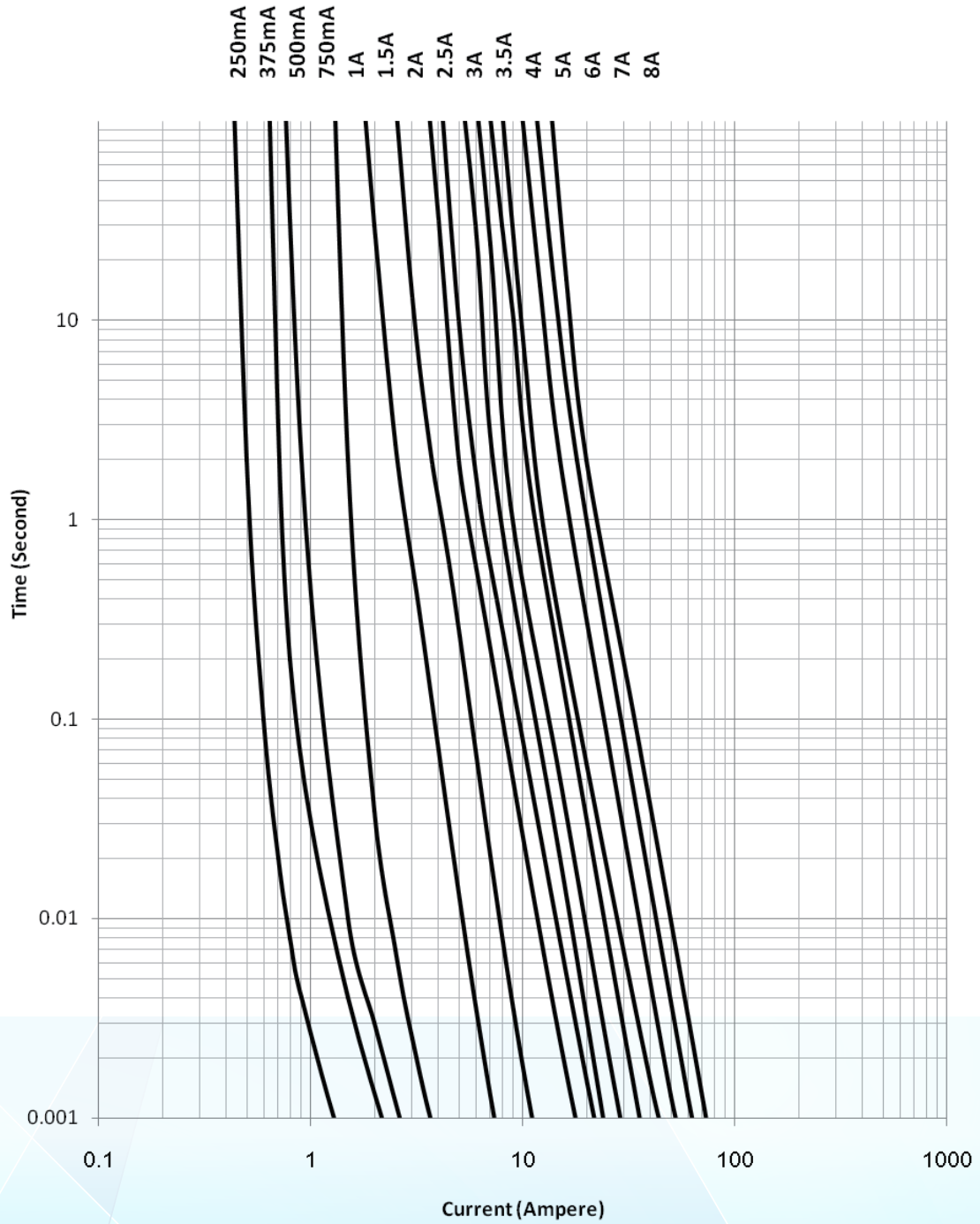
\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

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

\*\* For 1A-5A, the color of glass coating is Green; for others, it's Blue.

**Part Numbering System**
**JF C 0603 - xxxx F S**


**Time Current Curve**



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