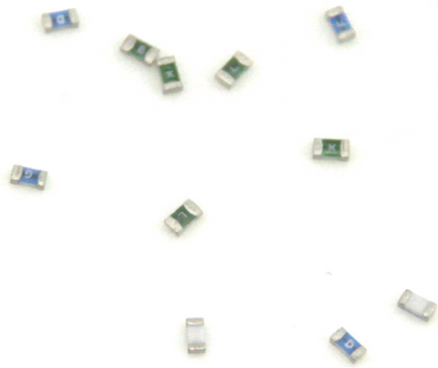


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PRODUCT DATASHEET

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 |

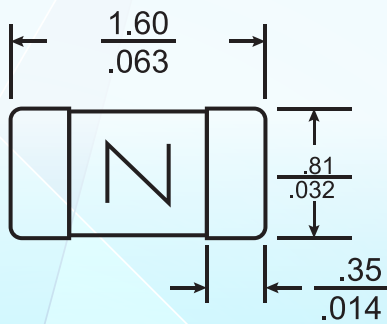
Features

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

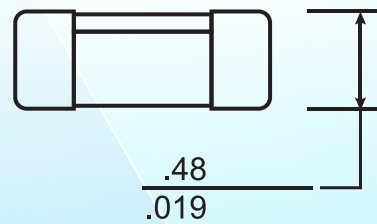
Electrical Characteristics

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

Dimensions



Topview



Sideview

Performance Specification

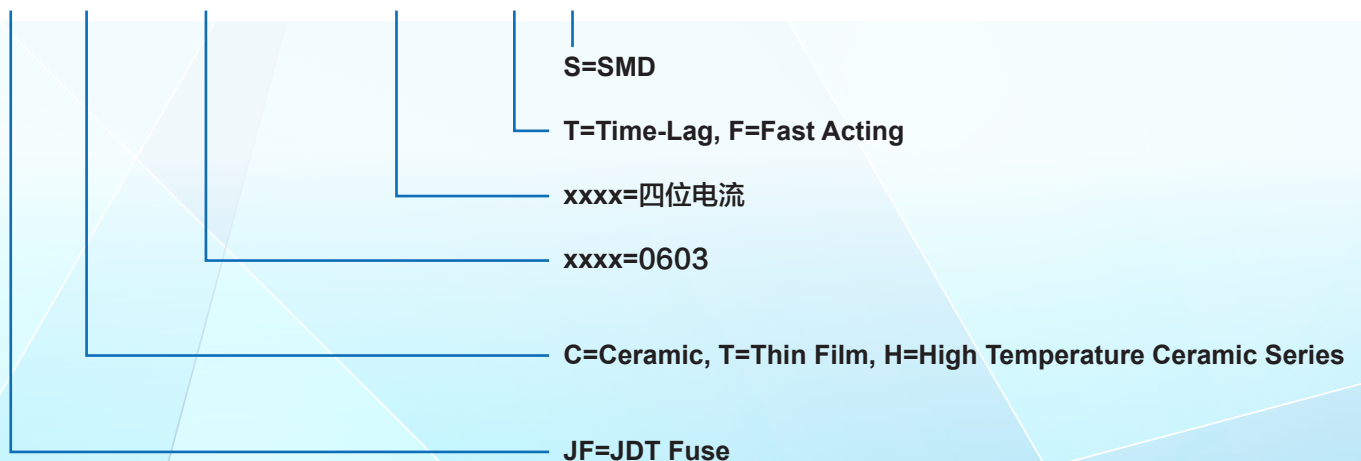
| Part No. | Rated Voltage DC | Rated Current (A) | Breaking Capacity ¹ | Typical Cold Resistance (mOhms) ² | Typical Voltage Drop (mV) | Typical Pre-Arcing I ² t (A ² Sec) ³ | Alpha Marking |
|----------------|------------------|-------------------|--------------------------------|--|---------------------------|---|---------------|
| 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)

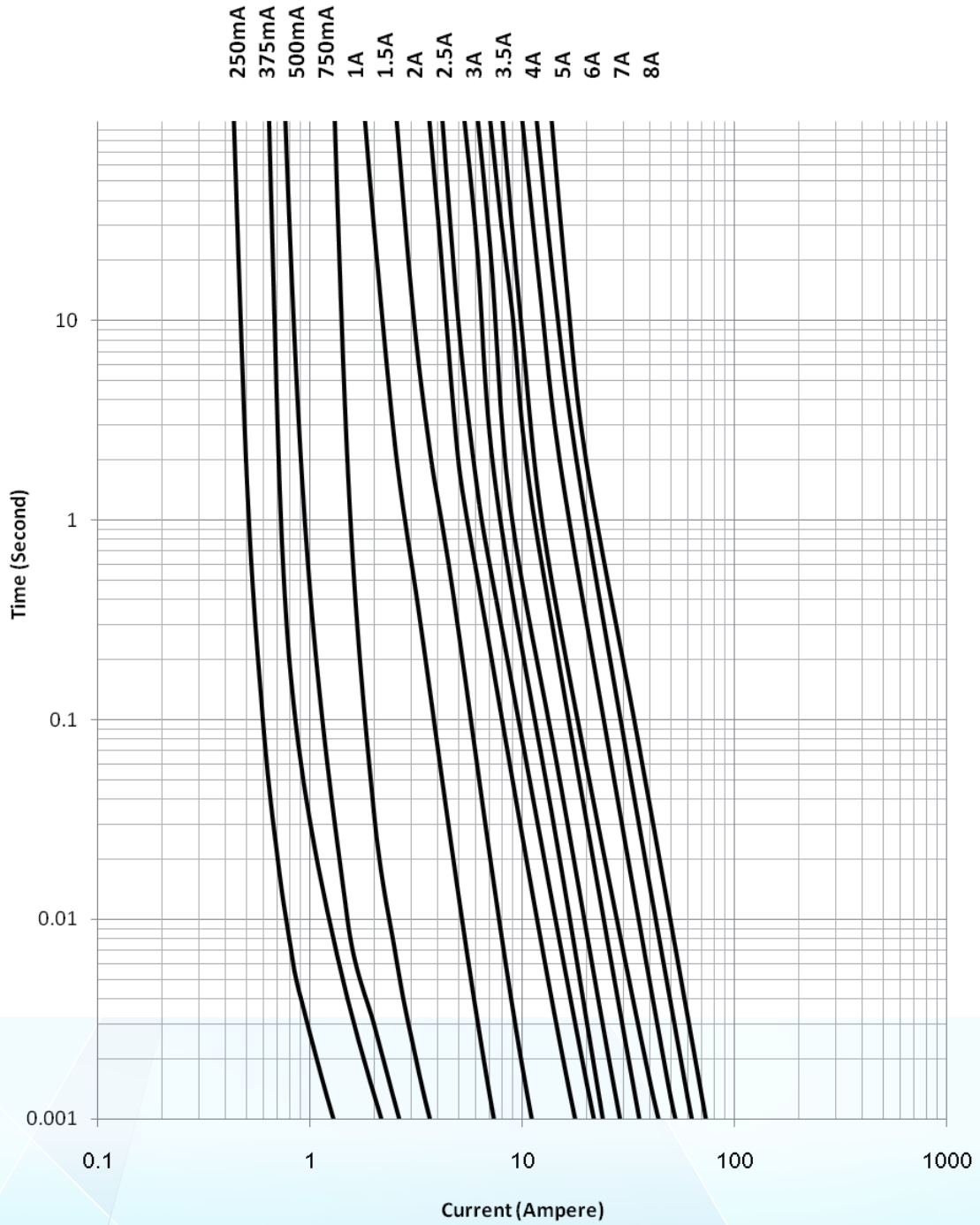
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25degrees

* Typical Pre-arching I²t 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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[SGB401](#) [SGB075](#) [MTS2200A](#) [0154002.DRL](#) [0154008.DRL](#) [0154.500DRL](#) [189140.1,25](#) [189140.0,8](#) [189140.0,4](#) [189140.0,63](#) [189140.0,25](#)
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