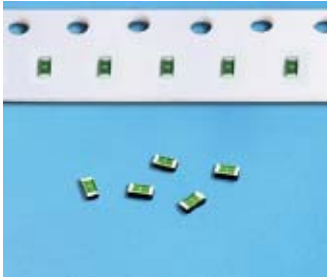


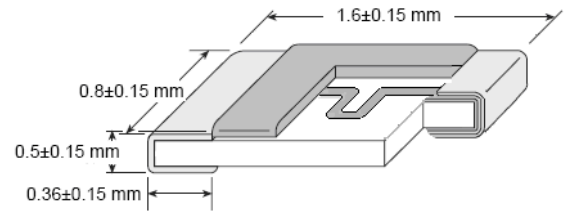
Chip Fuses



Description

- High inrush current withstanding capability
- Compatible with reflow and wave solder
- Rugged ceramic and glass construction
- Excellent environmental performance
- RoHS Compliant ,Lead Free & Halogen Free material

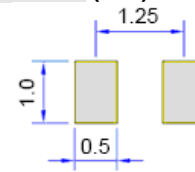
Dimensions



Electrical Characteristics

| Ampere Rating | % of Amp Rating | Opening Time |
|---------------|-----------------|---------------------|
| 1A-5A | 100% | 4 Hours Minimum |
| 1A-5A | 200% | 1~60 Seconds |
| 1A-5A | 1000% | 0.0002~0.02 Seconds |

Land Pattern (mm)



Application

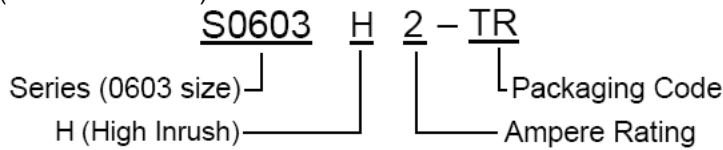
- Telecommunication: Cell Phones / PDA / DSL
- Computers: LCD Panel / Printers/ Laptop/ Servers
- Consumer Electronics: DVD player / MP3 MP4 Player

Soldering Method

- Wave soldering: 260°C, 10sec max.
- Reflow soldering: 260°C, 30sec max.

Ordering

- Specify Packaging and product code (i.e. S0603H2-TR)



Note: TR: 5,000 pieces of fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481

Environmental Data

- Life Test: MIL-STD-202, Method 108A
- Humidity Bias: MIL-STD-202 , Method 103
- Moisture Resistance Test: MIL-STD-202, Method 106G
- Thermal Shock: MIL-STD-202, Method 107G
- Terminal Strength Test:AEC-Q200-005 Appendix 2 Note: 1mm (Min)
- Vibration: MIL-STD-202, Method 204D
- Mechanical Shock:MIL-STD-202,Method 213B
- Solderability: ANSI/J-STD-002
- Resistance to Solder Heat: MIL-STD-202,Method 210A
- Resistance to Solvents Test: MIL-STD-202, Method 215A

Electrical Specifications

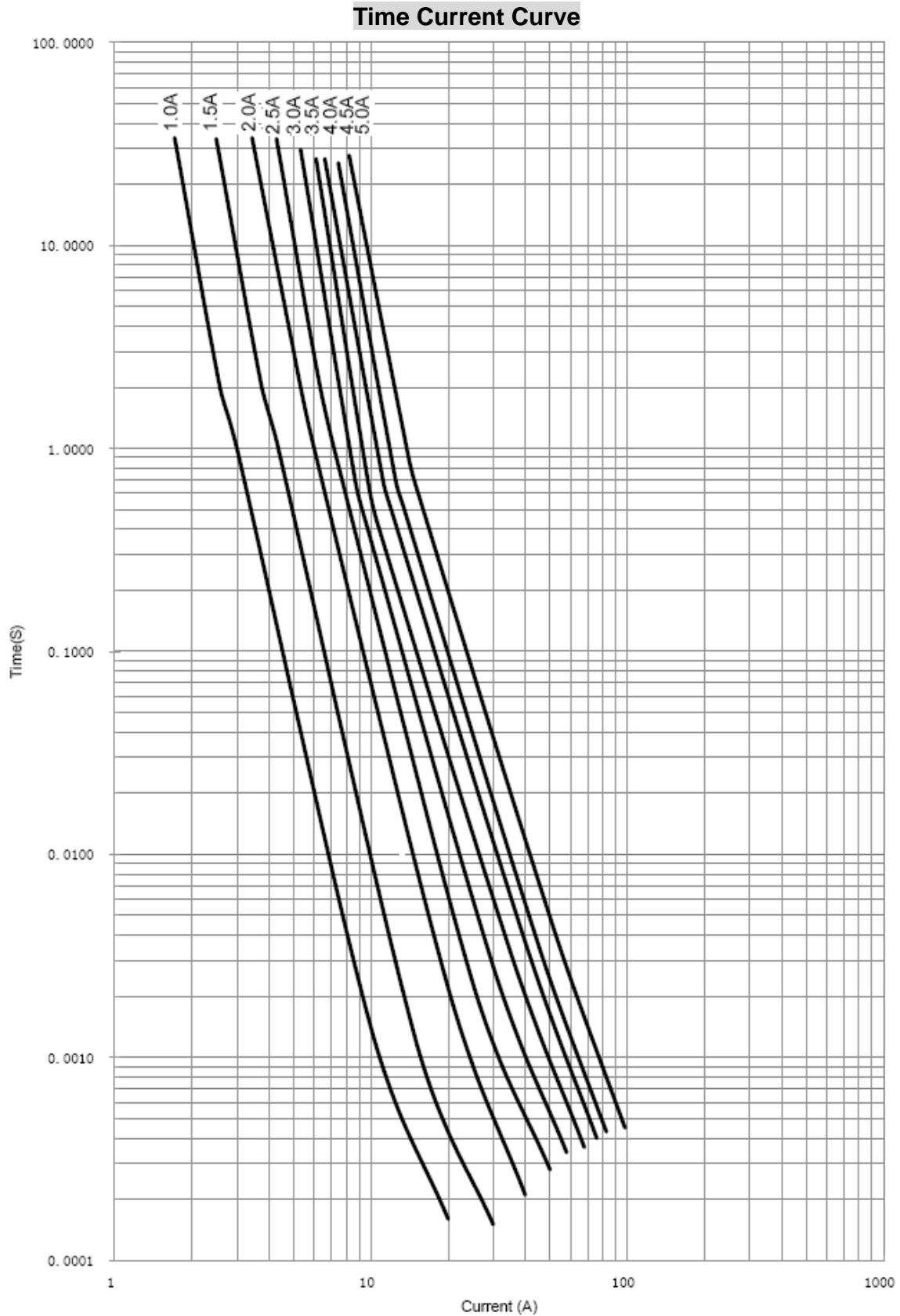
| Product Code | Current Rating | Voltage Rating DC | Interrupting Rating* | Resistance (ohms)** Typ. | Typical Melt I ² t *** DC (A ² s) | Alpha Code Marking |
|--------------|----------------|-------------------|----------------------|--------------------------|---|--------------------|
| S0603H1 | 1A | 32V | 35A | 0.24 | 0.09 | H |
| S0603H1.5 | 1.5A | 32V | 35A | 0.12 | 0.18 | K |
| S0603H2 | 2A | 32V | 35A | 0.068 | 0.29 | N |
| S0603H2.5 | 2.5A | 32V | 35A | 0.048 | 0.59 | O |
| S0603H3 | 3A | 32V | 35A | 0.034 | 0.83 | P |
| S0603H3.5 | 3.5A | 32V | 35A | 0.023 | 1.23 | R |
| S0603H4 | 4A | 32V | 35A | 0.02 | 2.22 | S |
| S0603H4.5 | 4.5A | 32V | 35A | 0.016 | 2.70 | X |
| S0603H5 | 5A | 32V | 35A | 0.013 | 3.20 | T |

* DC interrupting rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

**DC Cold Resistance (Measured at 10% of rated current)

*** Typical Melting I²t (Measured with a battery bank at rated DC voltage and at 0.001 second clearing time, time constant of calibrated circuit less than 50 microseconds) **** Typical Device designed to carry rated current for four hours minimum. An operating current of 75% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Chip Fuses



Contact information:

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