

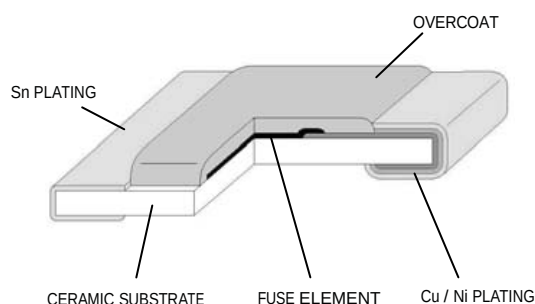
## Description

- 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

## Applications

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

## S1206S Series



Chip Fuse

## Environmental Data

- Life Test: MIL-STD-202, Method 108D
- Humidity Bias: MIL-STD-202 , Method 103
- Moisture Resistance Test: MIL-STD-202, Method 106G
- Thermal Shock: MIL-STD-202, Method 107G
- Terminal Strength: AEC-Q200-006
- Board Flex: AEC-Q200-005 Appendix 2 Note: 1mm (Min)
- Vibration: MIL-STD-202, Method 204C
- Mechanical Shock: MIL-STD-202, Method 213C
- Solderability: ANSI/J-STD-202
- Resistance to Solder Heat: MIL-STD-202, Method 210B
- Resistance to Solvents Test: MIL-STD-202, Method 215

## Electrical Characteristics

| Ampere Rating | % of Amp Rating | Opening Time       |
|---------------|-----------------|--------------------|
| 1A-7A         | 100%            | 4 Hours Minimum    |
| 1A-7A         | 200%            | 1~120 Senconds     |
| 1A-7A         | 300%            | 0.1~3 Senconds     |
| 1A-7A         | 800%            | 0.002~0.05 Seconds |

| Electrical Specifications |                |                   |                       |                          |                                                      |                    |
|---------------------------|----------------|-------------------|-----------------------|--------------------------|------------------------------------------------------|--------------------|
| Product Code              | Current Rating | Voltage Rating DC | Interruptin g Rating* | Resistance (ohms)** Typ. | Typical Melt I <sup>2</sup> t *** (A <sup>2</sup> s) | Alpha Code Marking |
| S1206S1                   | 1A             | 63V               | 50A                   | 0.42                     | 0.10                                                 | H                  |

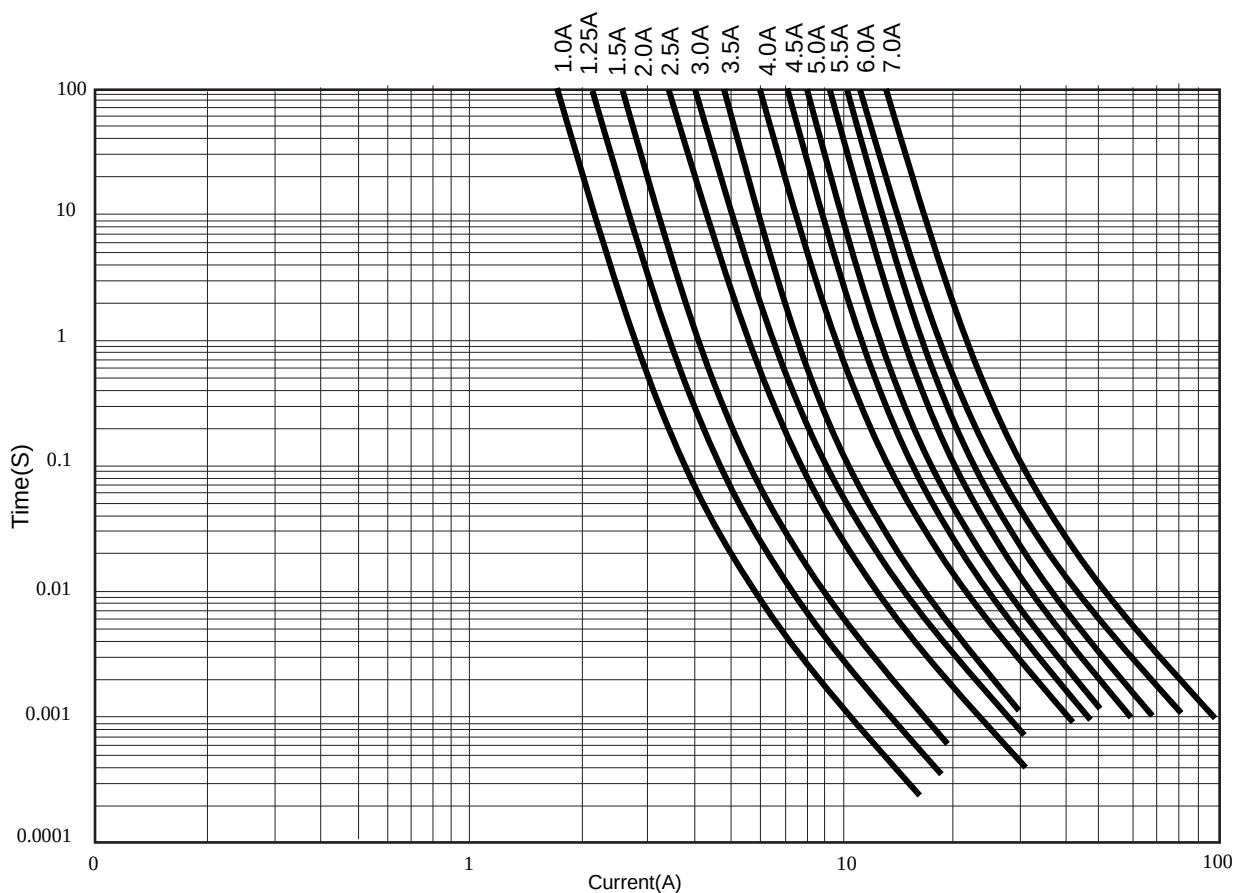
|                   |       |     |     |       |      |   |
|-------------------|-------|-----|-----|-------|------|---|
| <b>S1206S1.25</b> | 1.25A | 63V | 50A | 0.25  | 0.22 | J |
| <b>S1206S1.5</b>  | 1.5A  | 63V | 50A | 0.21  | 0.25 | K |
| <b>S1206S2</b>    | 2A    | 63V | 50A | 0.13  | 0.59 | N |
| <b>S1206S2.5</b>  | 2.5A  | 32V | 50A | 0.08  | 0.88 | O |
| <b>S1206S3</b>    | 3A    | 32V | 50A | 0.05  | 1.10 | P |
| <b>S1206S3.5</b>  | 3.5A  | 32V | 50A | 0.036 | 1.55 | R |
| <b>S1206S4</b>    | 4A    | 32V | 50A | 0.03  | 2.30 | S |
| <b>S1206S4.5</b>  | 4.5A  | 32V | 50A | 0.025 | 3.55 | X |
| <b>S1206S5</b>    | 5A    | 32V | 50A | 0.02  | 5.40 | T |
| <b>S1206S5.5</b>  | 5.5A  | 24V | 60A | 0.016 | 6.20 | ▲ |
| <b>S1206S6</b>    | 6A    | 24V | 60A | 0.013 | 8.10 | Y |
| <b>S1206S7</b>    | 7A    | 24V | 60A | 0.012 | 9.88 | U |

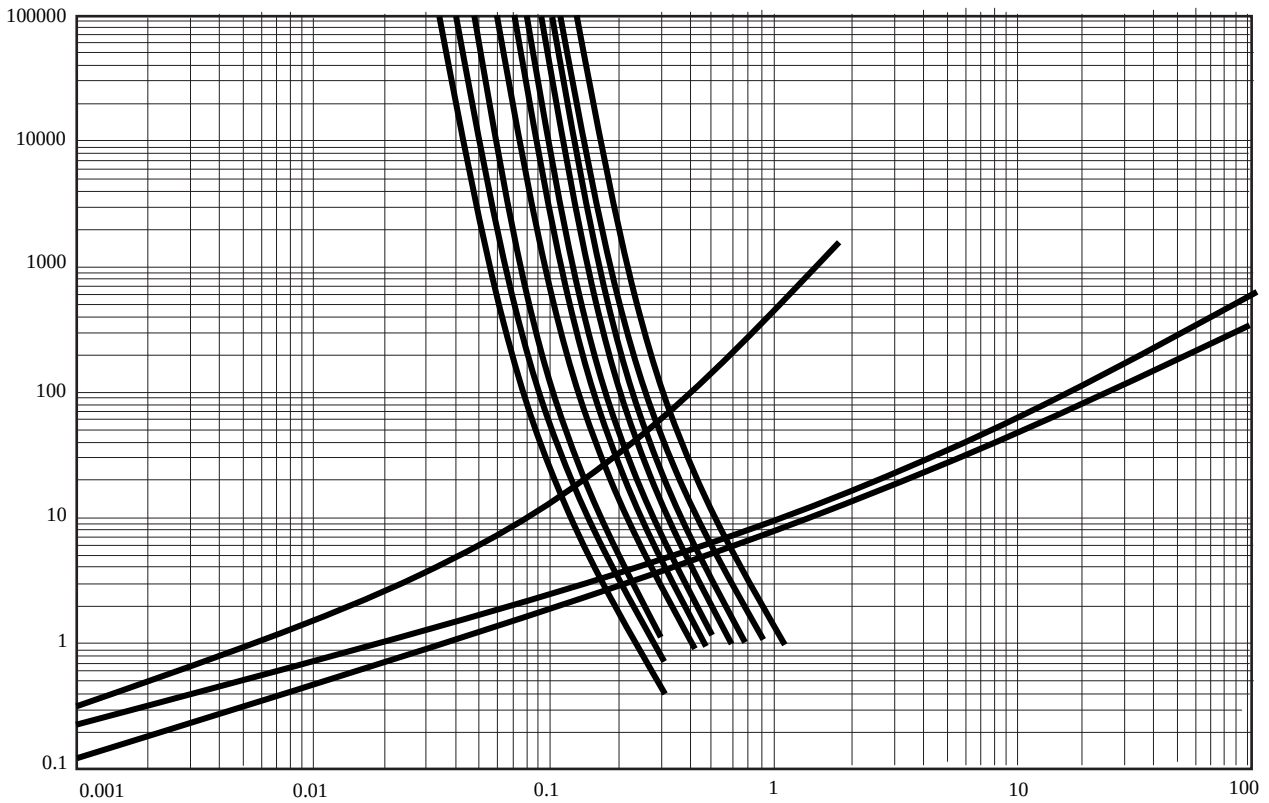
\*; DC interrupting rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

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

\*\*\* Typical Melting I<sup>2</sup>t (Measured with a battery bank at rated DC voltage and at 0.001 second clear time, time constant of calibrated circuit less than 50 microseconds) 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.

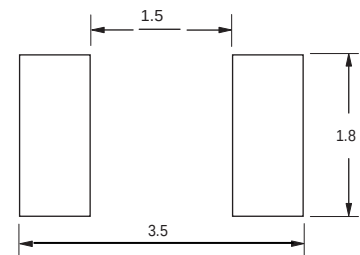
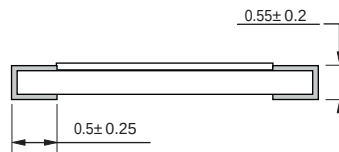
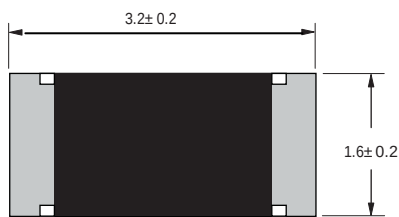
## Typical Performance Curves





## Product Dimension

DIMENSIONS:mm



## Part Number System

|              |          |          |           |                          |
|--------------|----------|----------|-----------|--------------------------|
| <b>S1206</b> | <b>S</b> | <b>2</b> | <b>TR</b> |                          |
|              |          |          |           | <b>Packing Code</b>      |
|              |          |          |           | <b>Ampere Rating</b>     |
|              |          |          |           | <b>S (Slow Blow)</b>     |
|              |          |          |           | <b>Series(1206 size)</b> |

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

## Revision history

| Date         | Revision | Description of changes |
|--------------|----------|------------------------|
| 31-July-2011 | A        | First issue            |

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