

## 500VAC/DC, 6x32mm, Fast Acting Fuses HV660 Series

### Description

- Fast Acting, high breaking capacity under 500V
- Special Engineering Material tube, Silver plated cap construction
- High breaking capacity for high energy application
- RoHS and Lead Free material



| Electrical Characteristics |                     |
|----------------------------|---------------------|
| 1.5In                      | 30 minutes, Maximum |
| 2.0In                      | 5 minutes, Maximum  |
| 3.0In                      | 10 seconds, Maximum |

### Specifications

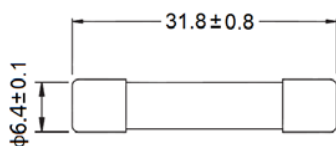
| Part No. | Rated Voltage | Rated Current | Breaking Capacity (A)      | Typical Cold Resistance (mOhms) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) |
|----------|---------------|---------------|----------------------------|---------------------------------|--|
| HV660.10 | 500V AC/DC    | 10A           | 30KA@500VAC<br>20KA@500VDC | 17.1                            | 100  |
| HV660.12 |               | 12A           |                            | 12.3                            | 140  |
| HV660.15 |               | 15A           |                            | 8.0                             | 66   |
| HV660.16 |               | 16A           |                            | 8.0                             | 62   |
| HV660.20 |               | 20A           |                            | 5.5                             | 120  |
| HV660.25 |               | 25A           |                            | 4.6                             | 200  |
| HV660.30 |               | 30A           |                            | 3.7                             | 270  |

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

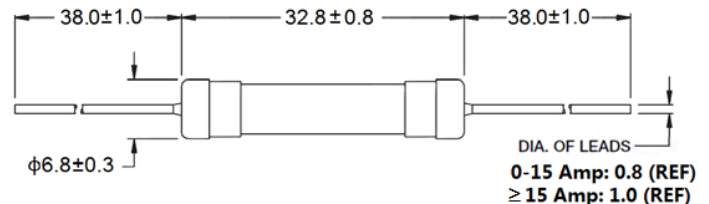
\* Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

### Dimension (mm) and ordering PN with lead Wire

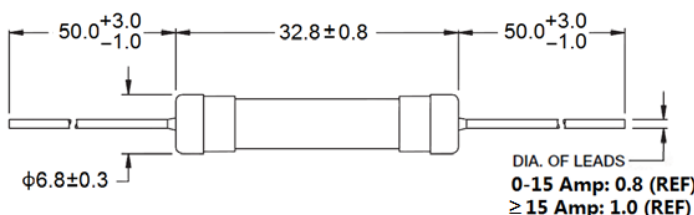
HV660.XX



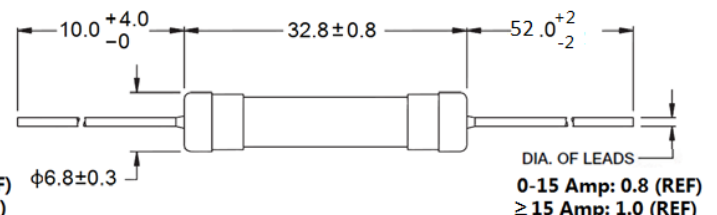
HV660.XXP



HV660.XXP-L



HV660.XXP-SXL



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### Soldering Parameter for Lead wire

Wave Soldering:

Solder Pot Temperature: 270°C Max.

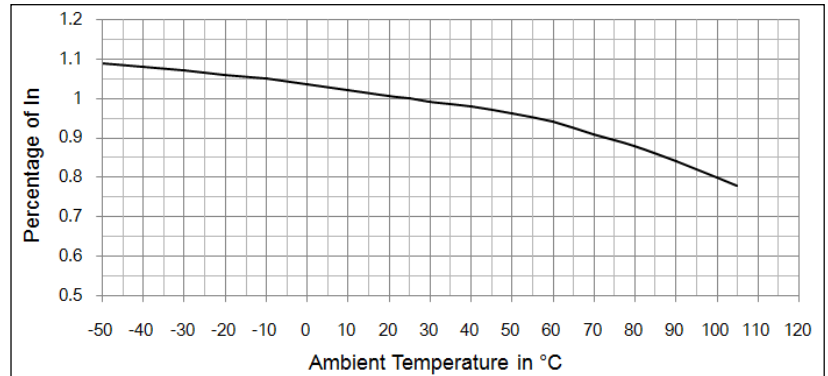
Solder Dwell Time: 10s Max.

Hand-Solder:

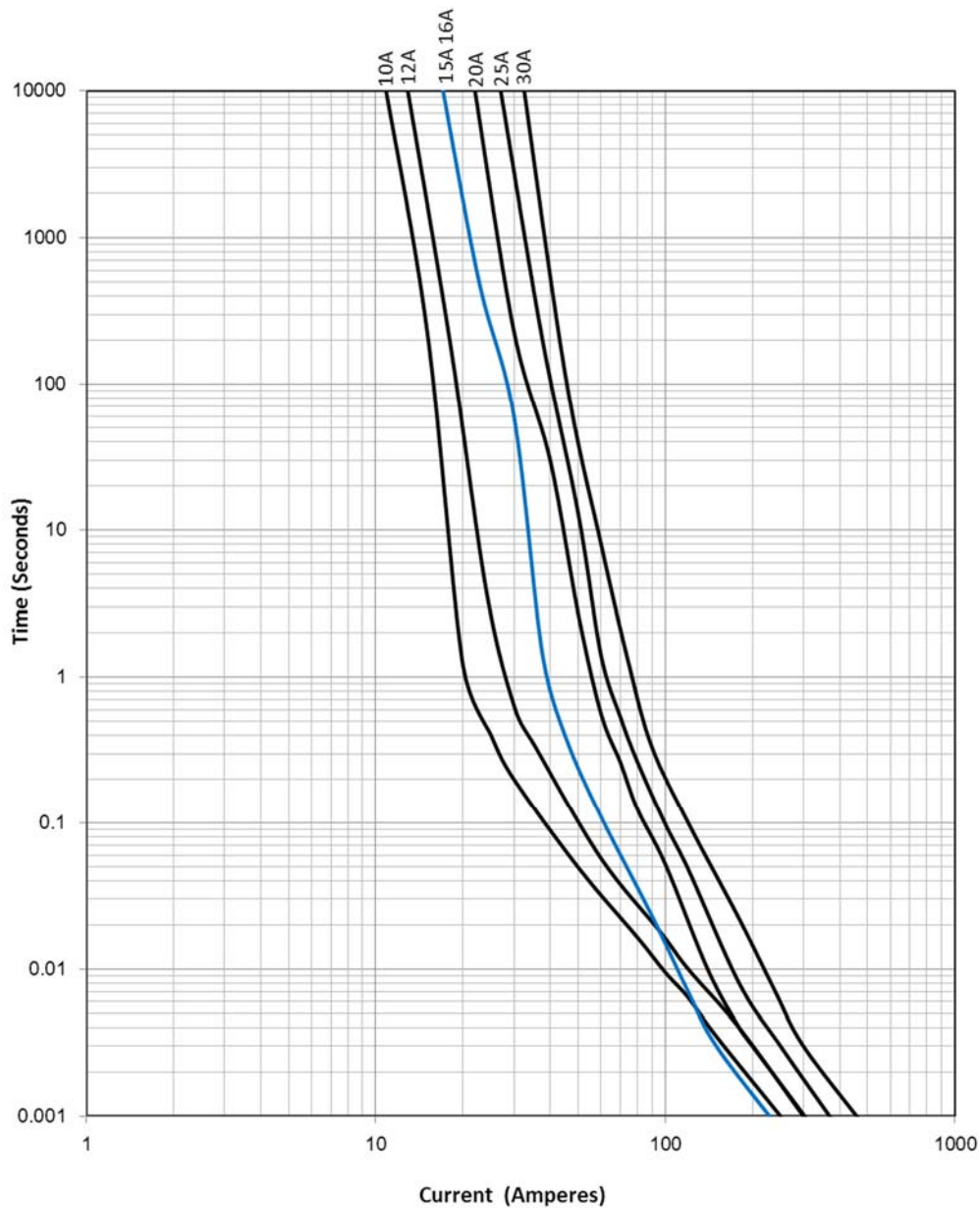
Solder Iron Temperature: 350°C +/- 5°C

Heating Time: 5s Max.

### Temperature Re-Rating Curve



### Time Current Curve



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**Product Characteristics**

|                       |   |
|-----------------------|---|
| Product Marking       | Marking On Fuse Tube:<br>Brand name,<br>Product Series,<br>Rated Current and Voltage,<br>Agency approval mark |
| Operating Temperature | -50°C to 125°C  |
| Terminal Strength     | MIL-STD-202, Method 211,<br>Test Condition A  |
| Lead Solderability    | MIL-STD-202, Method 208   |
| Mechanical Vibration  | MIL-STD-202, Method 201   |
| Thermal Shock         | MIL-STD-202, Method 107, Test Condition B<br>(5 cycles -65°C to 125°C)  |
| Humidity              | MIL-STD-202, Method 103, Test Condition A:<br>95%RH and 40°C for 240 hours                                    |