

## 500VAC/DC, 6x32mm, Fast Acting Fuses HV670 Series

### Description

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

Electrical Characteristics	
2.0In	5 minutes, Maximum
3.0In	10 Seconds, Maximum



### Application

- Supplementary protection in appliance
- AC/DC, DC/DC module for EV/EV charging

### Specifications

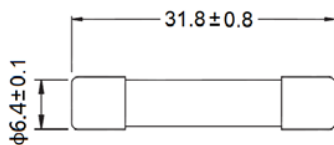
Part No.	Rated Voltage	Rated Current	Breaking Capacity (A)	Typical Cold. Resistance (mOhms)	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)
	AC/DC				
HV670.10	500V	10A	1000	17.1	100
HV670.12		12A		12.3	140
HV670.15		15A		8.0	66
HV670.16		16A		8.0	62
HV670.20		20A		5.65	125
HV670.25		25A		4.35	270
HV670.30		30A		3.5	450

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

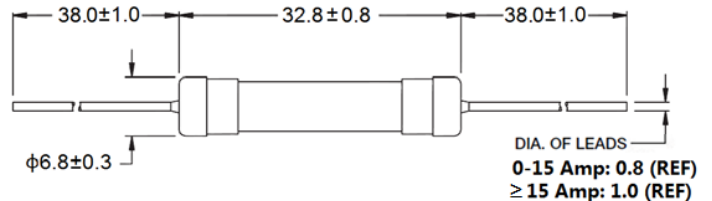
\* Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

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

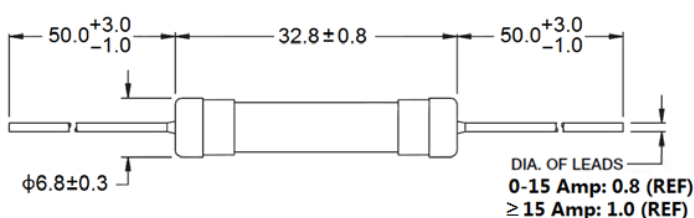
HV670.XX



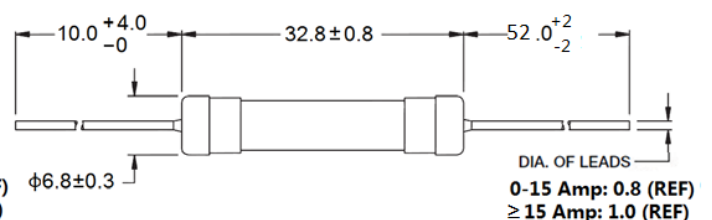
HV670.XXP



HV670.XXP-L



HV670.XXP-SXL



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**Soldering Parameter**

Wave Soldering:

Solder Pot Temperature: 270°C Max.

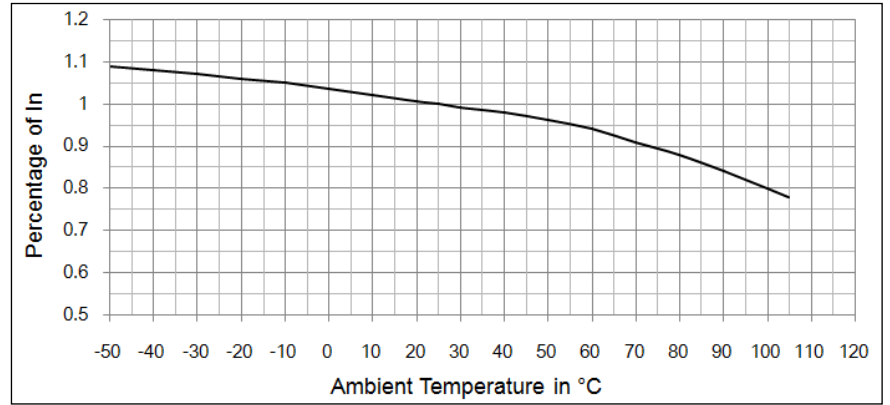
Solder Dwell Time: 10s Max.

Hand-Solder:

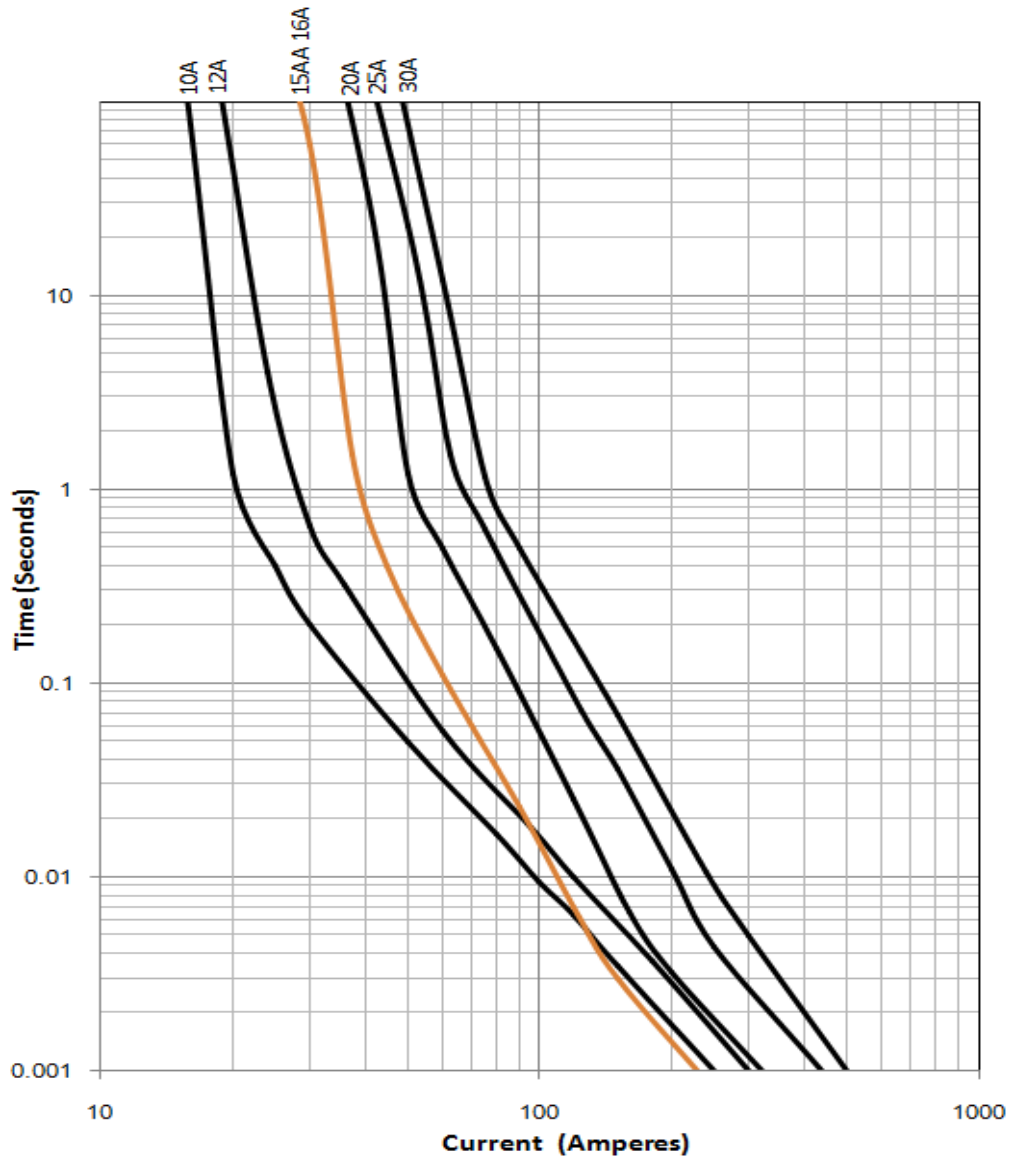
Solder Iron Temperature: 350°C+/- 5°C

Heating Time: 5s Max.

**Temperature Re-Rating Curve**



**Time Current Curve**



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**Product Characteristics**

Product Marking	Marking On Fuse Tube: Brand name, Product Series, Rated Current and Voltage, Agency approval mark
Operating Temperature	-50°C to 125°C
Terminal Strength	MIL-STD-202, Method 211, 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 (5 cycles -65°C to 125°C)
Humidity	MIL-STD-202, Method 103, Test Condition A: 95%RH and 40°C for 240 hours