ADVANCED SURGETECH MATERIALS

RoHS COMPLIANT Pb-Free

c UL us E355868

500VAC/DC, 6x32mm, High In-Rush Fuses
HV680-S Series

Description

- High I^2T withstand High In-Rush Current
- Special Engineering Material tube, Silver platedcap construction
- High breaking capacity for high energy application
- RoHS and Lead Free material

Electrical Characteristics	
2.5In	1 minutes, Maximum
3.0In	10 Seconds, Maximum

Specifications

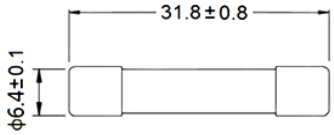
Part No.	Rated Voltage AC/DC	Rated Current	Breaking Capacity (A)	Typical Cold. Resistance (mOhms)	Typical Pre-Arcing I^2t (A^2Sec)
HV680.15S	500V	15A	1000	6.4	435
HV680.30S	500V	30A	1000	2.9	2700

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

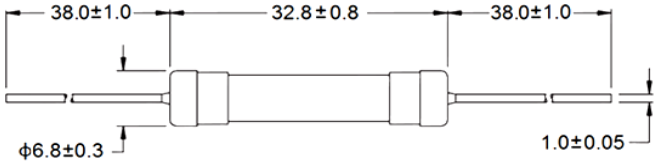
* Typical Pre-arcing I^2t are measured at 10In Current

Dimension (mm) and ordering PN with lead Wire

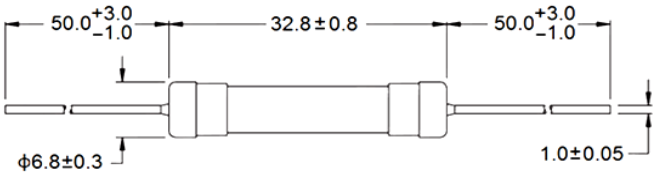
HV680.XXS



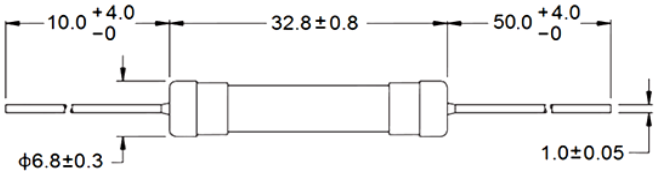
HV680.XXSP



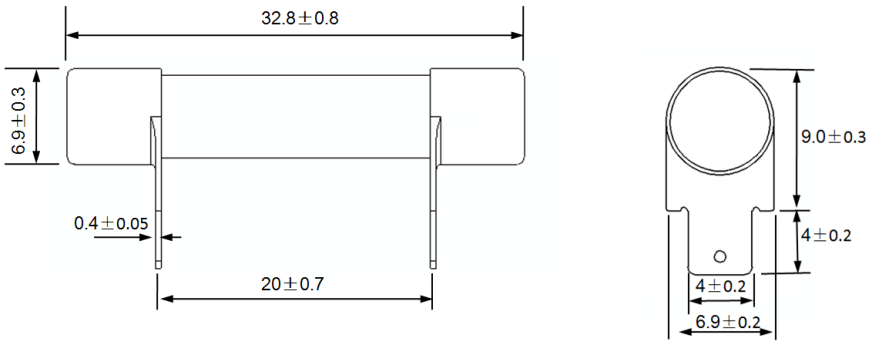
HV680.XXSP-L



HV680.XXSP-SXL



HV680.xxSTH



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Soldering Parameter

Wave Soldering:

Solder Pot Temperature: 270°c Max.

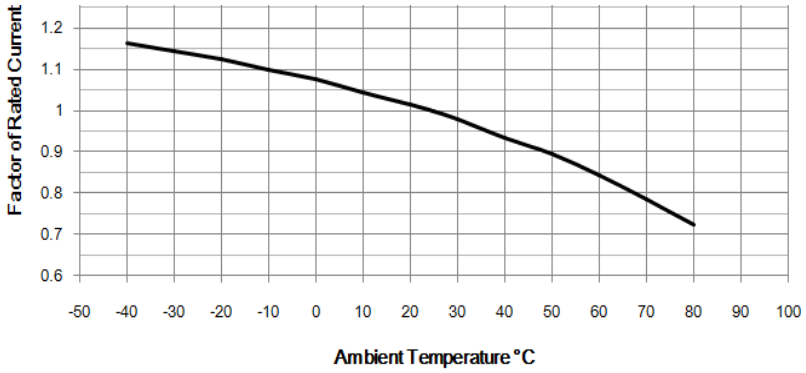
Solder Dwell Time: 10s Max.

Hand-Solder:

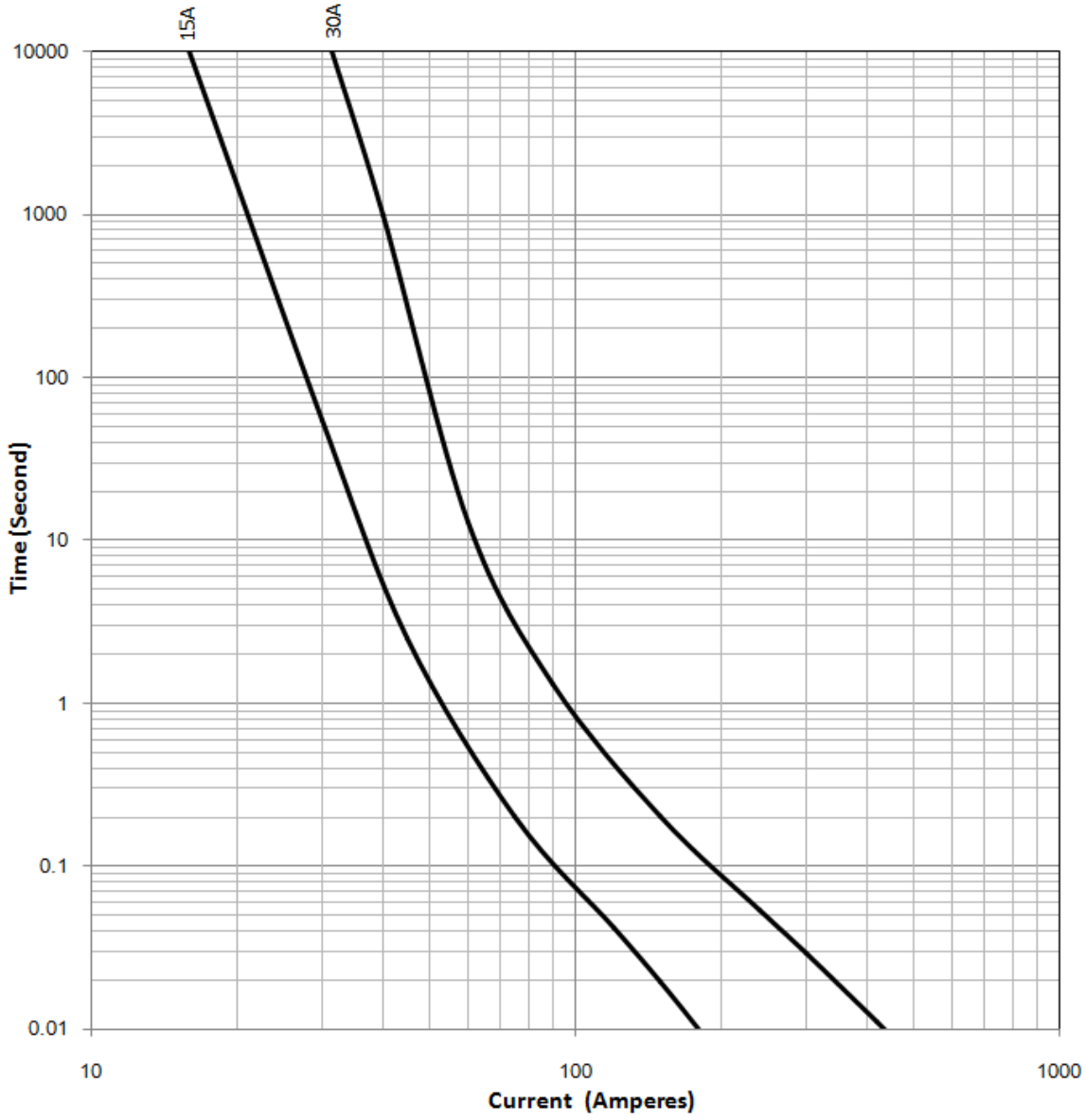
Solder Iron Temperature: 350°C+/- 5°C

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