

250VAC/150VDC, 6x32mm Fuses MV630 High Current Series

Description

- High breaking capacity under 250VAC/150VDC
- Special Engineering Material tube, Silver plated cap construction
- High breaking capacity for high energy application
- RoHS and Lead Free material

Electrical Characteristics	
1.0In	4 hours min.
2.5In	120 Seconds max.

Application

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

Specifications

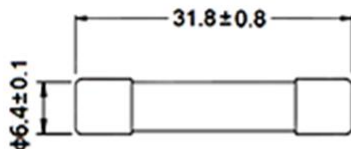
Part No.	Rated Voltage		Rated Current	Breaking Capacity (A)		Typical Cold. Resistance (mOhms)	Typical Pre-Arcing I ² t (A ² Sec)
	AC	DC		AC	DC		
MV630.20	250V	150V	20A	1000	1000	4.0	680
MV630.25			25A			3.0	1300
MV630.30			30A			2.5	1450
MV630.35			35A			2.0	2350
MV630.40			40A			1.65	3100
MV630.50			50A			1.23	7350

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

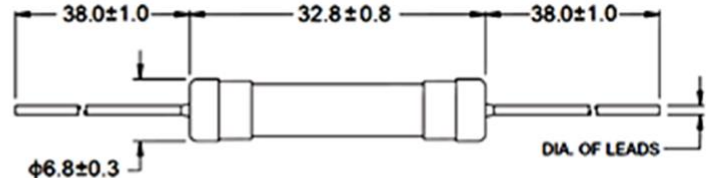
* Typical Pre-arcing I²t are measured at 10In Current

Dimension (mm) and ordering PN with lead Wire

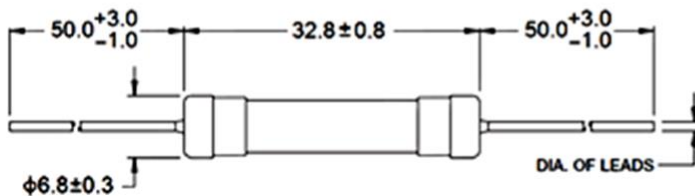
MV630. XX



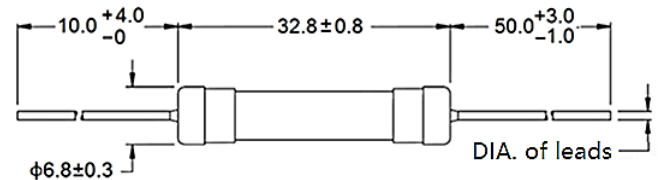
MV630. XXP



MV630. XXP-L



MV630. xXP-SXL



DIA. Of leads: <30A: 1.0mm (REF.); 30A-50A: 1.2mm (REF.)

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Soldering Parameter

Wave Soldering:

Solder Pot Temperature: 270°C Max.

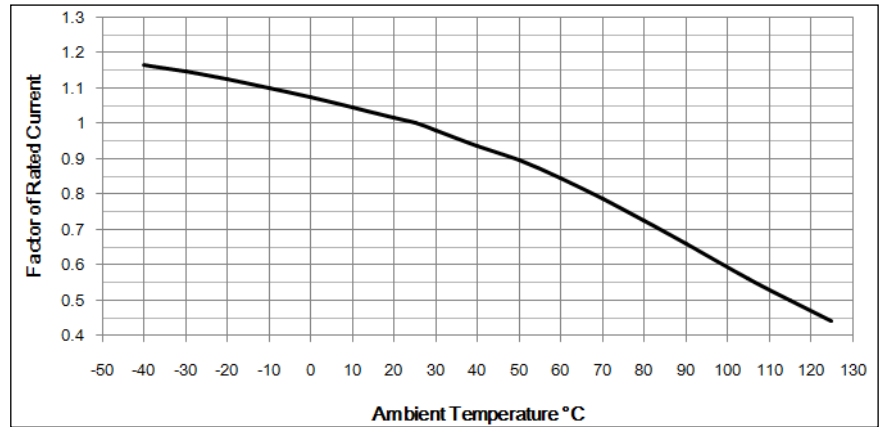
Solder Dwell Time: 10s Max.

Hand-Solder:

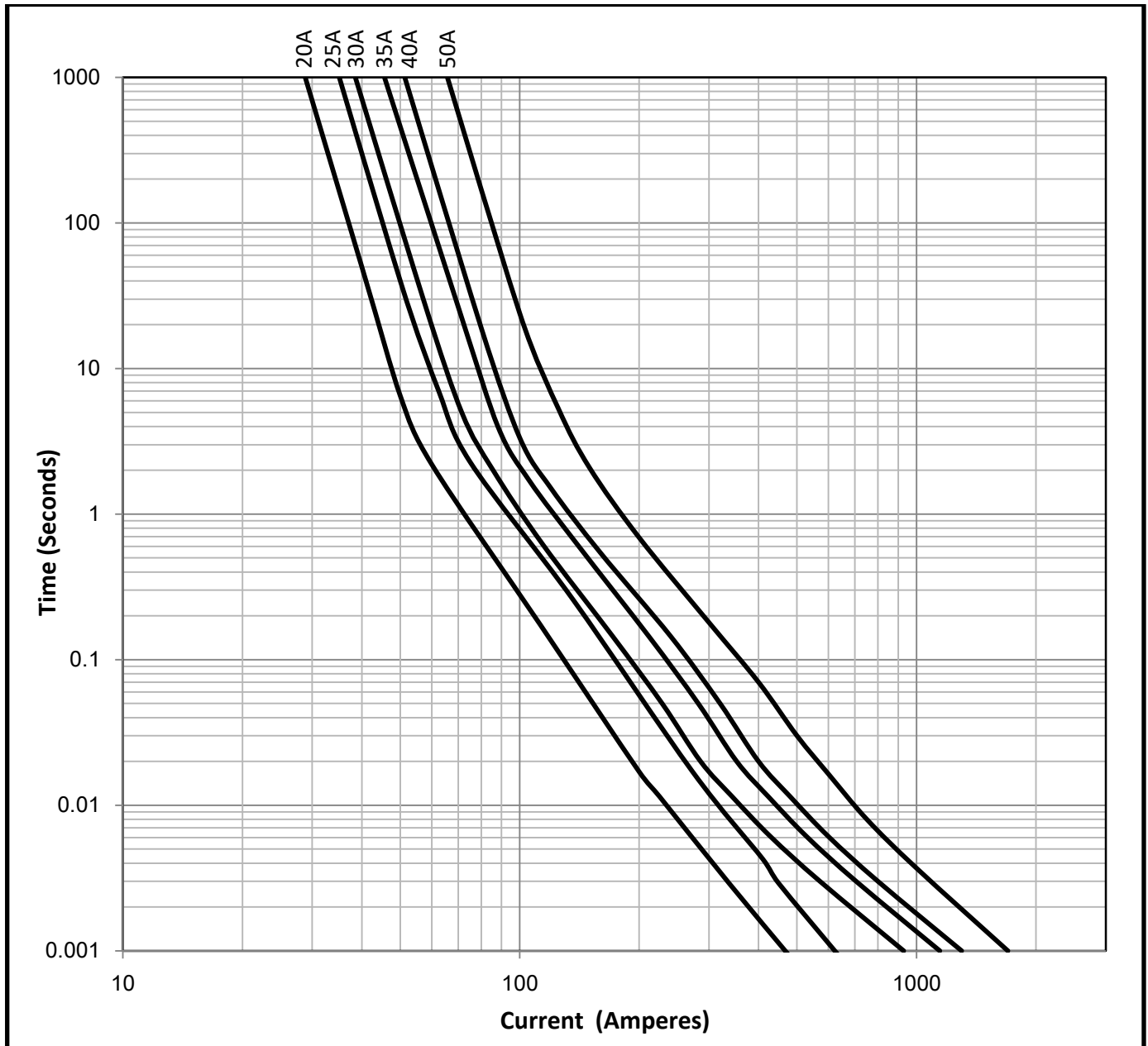
Solder Iron Temperature: 350°C +/- 5°C

Heating Time: 5s Max.

Temperature Re-Rating Curve



Time Current Curve



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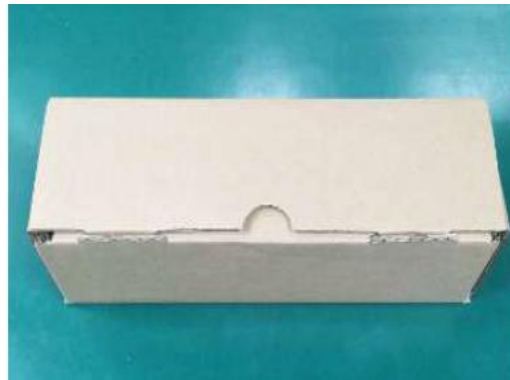
Product Characteristics

Product Marking	<p>Marking On Fuse Tube:</p> <p>Brand name, Product Series, Rated Current and Voltage, Agency approval mark</p>	<p>ASTM MV630 50A 250VAC 150VDC cULus</p> <p>Note: Size and position of the marking shall not be provided.</p>
Operating Temperature	-40°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	

Package

MV630.xxP, MV630.xxP-L and MV630.xxP-SXL: 200pcs per bag.

MV630.xxP



MV630.xxP-L and MV630.xxP-SXL

