Ceramic Tube Fuses
6CT5 Series
250VAC/150VDC 6x32mm

Description

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

Appications

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

Electrical Characteristics		
Current Rating	% of Ampere Rating	Opening Time
20A~50A	100%	4 hour Min.
	250%	120 sec Max.

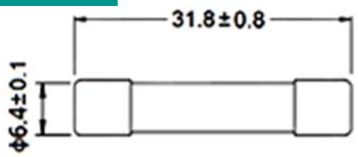
Specifications

Part No.	Rated Voltage		Rated Current	Breaking Capacity (A)		Typical Cold. Resistance (mOhms)	Typical Pre-Arcing I^2t (A^2Sec)
	AC	DC		AC	DC		
6CT5-20A	250V	150V	20A	1000	1000	4.0	680
6CT5-25A			25A			3.0	1300
6CT5-30A			30A			2.5	1450
6CT5-35A			35A			2.0	2350
6CT5-40A			40A			1.65	3100
6CT5-50A			50A			1.23	7350

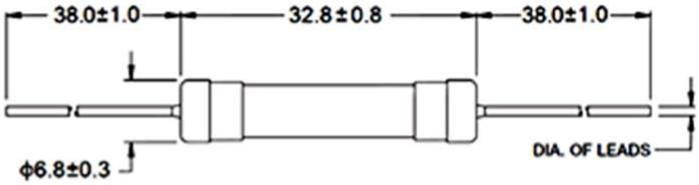
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25℃
* Typical Pre-arcing I^2t are measured at 10In Current

Dimention

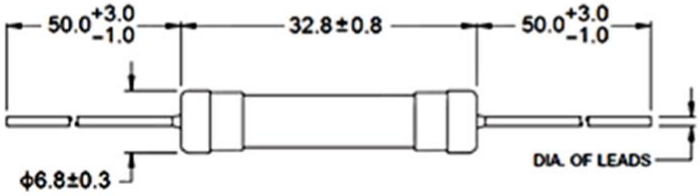
6CT5-xxA Series



6CT5-xxAE Series



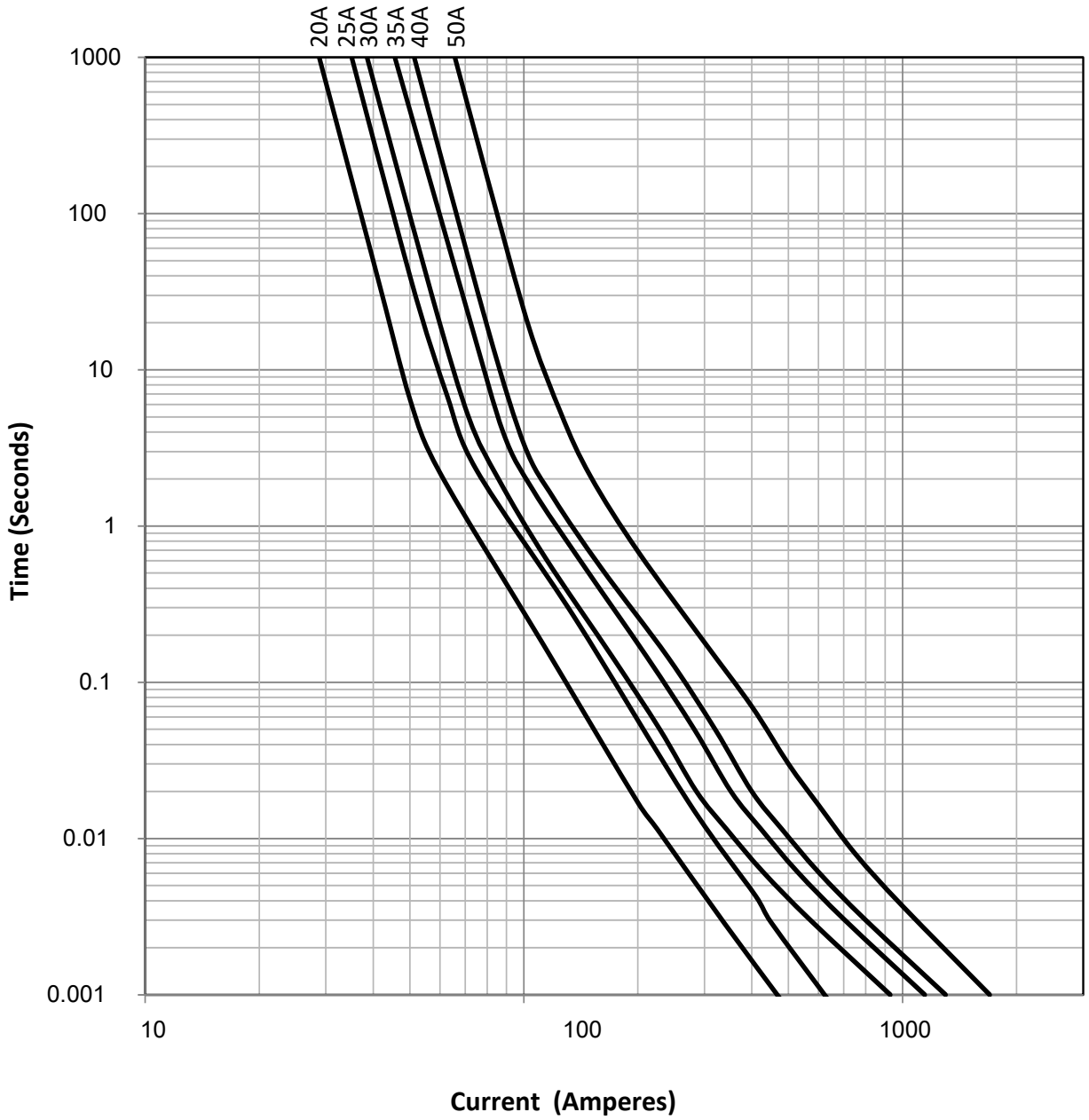
6CT5-xxAME Series



Packaging

200 pieces per bag

Time Current Curve



Soldering Parameter

Wave Soldering:

Solder Pot Temperature: 270°c Max.

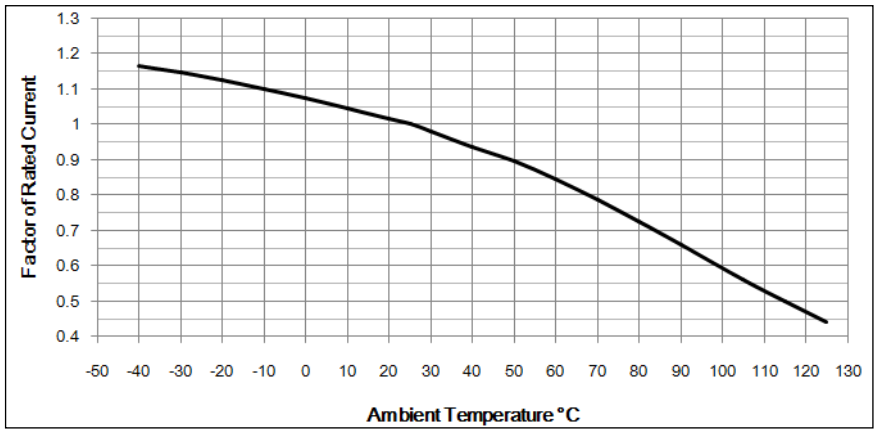
Solder Dwell Time: 10s Max.

Hand-Solder:

Solder Iron Temperature: 350°C±5°C

Heating Time: 5s Max.

Temperature Re-Rating Curve



Product Characteristics

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