

Fast Acting | 6x32mm Ceramic Tube Fuses

6CT8 Series



Features

- High inrush withstand capability, high breaking capacity under 500VAC.
- Special Engineering Material tube, Silver plated cap construction.
- High breaking capacity for high energy application.
- RoHS and Lead Free material.

Electrical Characteristics

Part Number	Voltage Rating	Current Rating
6CT8-20Axxx	500VAC	20A
6CT8-25Axxx	500VAC	25A
6CT8-30Axxx	500VAC	30A

Specifications

Part Number	Voltage Rating	Current Rating	Interrupting Rating (A)	Typical Cold Resistance (mOhms)	Typical Pre-Arcing I ² t (A ² Sec)
6CT8-20Axxx	500VAC	20A	1000 10000*	5.1	268
6CT8-25Axxx	500VAC	25A		4.0	465
6CT8-30Axxx	500VAC	30A		3.0	873

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

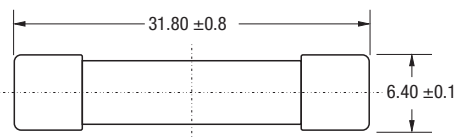
2 Typical Pre-arcing I²t are measured at 10In Current.

3 Self-certified for 500Vac/10000A Breaking Capacity.

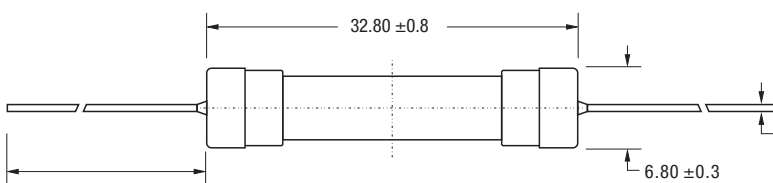
4 xxx = Axial lead length.

Dimension(Unit/mm)

Cylindrical



Axial leaded



The length of the lead

38.00 ± 1.0 Ordering P/N: 6CT8-xxx E

51.00 ± 2.0 Ordering P/N: 6CT8-xxx ME

Packaging

Cylindrical fuses: 250pcs per box

38 mm Axial Lead Fuses: 75pcs per box

50mm Axial Lead Fuses: 200pcs per bag

Lead Diameter

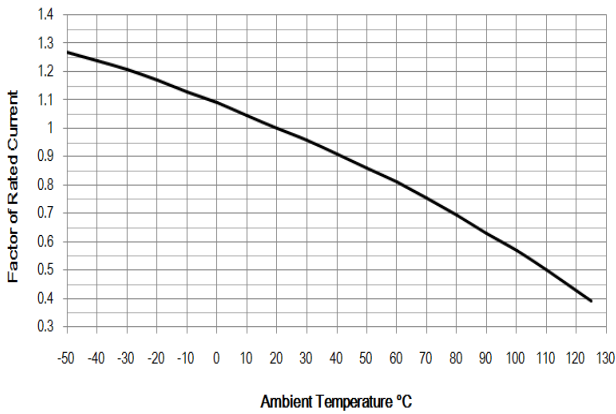
Less than 15Amp for 0.80mm(typ.)

≥ 15Amp for 1.00mm(typ.)

**Fast Acting | 6x32mm
Ceramic Tube Fuses**

6CT8 Series

Temperature Derating Curve



Wave Soldering Parameters

Solder Pot Temperature: 270°C Max.
Solder Dwell Time: 10s Max.

Recommended Hand Solder Parameters

Solder Iron Temperature: 350°C +/- 5°C
Heating Time: 5s Max.

Operating Temperature Range

- 55°C to + 125°C

Time-Current Curves

