

Fast Acting | 6x32mm Ceramic Tube Fuses

6CT7 Series

Features



- 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

Current Rating	% of Ampere Rating	Opening Time
10A-30A	100%	4 hours Min.
	250%	120 sec Max.

Specifications

Part Number	Current Rating	Voltage Rating	Interrupting Rating	Typical Cold Resistance (mOhms)	Typical Pre-Arcing I ² t (A ² Sec)
6CT7-10A <u>xxx</u>	10A	500VAC @ 1000A 500VDC @ 1000A		17.1	100
6CT7-12A <u>xxx</u>	12A			12.3	140
6CT7-15A <u>xxx</u>	15A			8.0	66
6CT7-16A <u>xxx</u>	16A			8.0	62
6CT7-20A <u>xxx</u>	20A			5.65	125
6CT7-25A <u>xxx</u>	25A			3.8	390
6CT7-30A <u>xxx</u>	30A			3.1	600

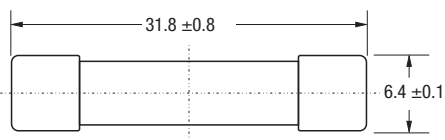
1 DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 C .

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

3 xxx = Axial lead length.

Dimension(Unit/mm)

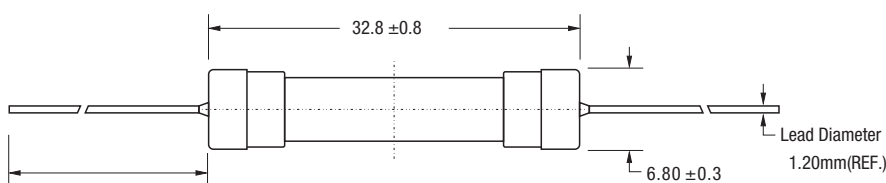
Cylindrical



Packaging

Cylindrical fuses: 250pcs per box
38 mm Axial Lead Fuses: 75pcs per box
50mm Axial Lead Fuses: 200pcs per bag

Axial leaded



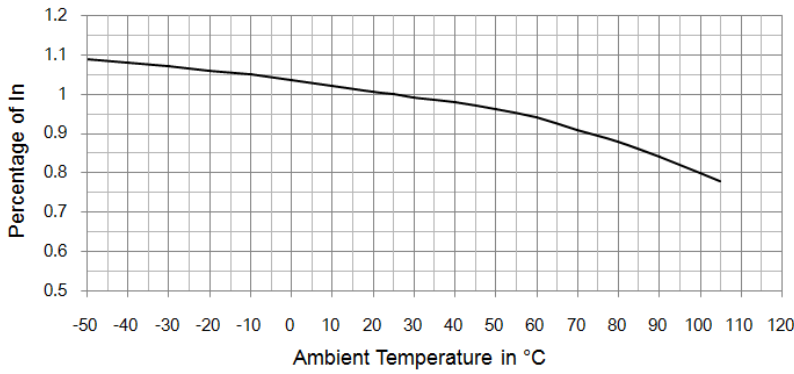
The length of the lead

38.00 ± 1.0 Ordering P/N: 6CT7-xxx E
50.00 ± 2.0 Ordering P/N: 6CT7-xxx ME

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Temperature Rerating 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

