

Fast Acting | 6x32mm Ceramic Tube Fuses

6CT6 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 | 150% | 30mins Max. |
| | 200% | 5mins Max. |
| | 300% | 10 sec Max. |

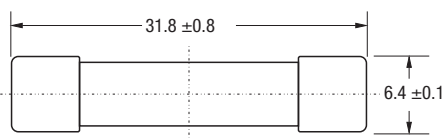
Specifications

| Part Number | Current Rating | Voltage Rating | Interrupting Rating | Typical Cold Resistance (mOhms) | Typical Pre-Arcing I ² t (A ² Sec) |
|---------------------|----------------|------------------------------------|---------------------|---------------------------------|--|
| 6CT6-10A <u>xxx</u> | 10A | 500VAC @ 30000A 500VDC @ 20000A | | 17.1 | 100 |
| 6CT6-12A <u>xxx</u> | 12A | | | 12.3 | 140 |
| 6CT6-15A <u>xxx</u> | 15A | | | 8.00 | 66 |
| 6CT6-16A <u>xxx</u> | 16A | | | 8.00 | 62 |
| 6CT6-20A <u>xxx</u> | 20A | | | 5.50 | 120 |
| 6CT6-25A <u>xxx</u> | 25A | | | 4.60 | 200 |
| 6CT6-30A <u>xxx</u> | 30A | | | 3.70 | 270 |

- 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)

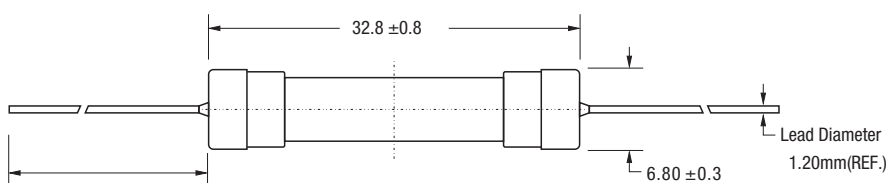
Cylindrical



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

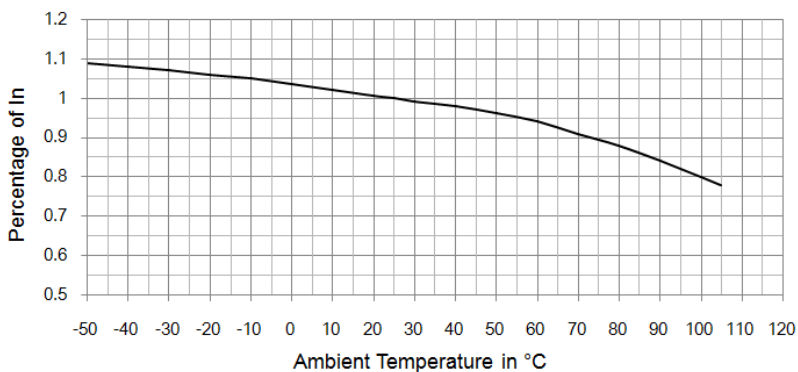
38.00 ± 1.0 Ordering P/N: 6CT6-xxx E
 50.00 ± 2.0 Ordering P/N: 6CT6-xxx ME

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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

