

Time Delay | 5x20mm Ceramic Tube Fuses

5CT5 Series



Features

- Time Delay, high breaking capacity
- Ceramic tube, end cap construction
- 5x20mm physical size
- RoHS and Lead Free material

Electrical Characteristics

Rated Current	1.5In	2.1In	3.0In	4.0In	10.0In
< 1A	1 hour min.	N/A	120sec max	N/A	N/A
1A - 3.15A	1 hour min.	30min. max.	N/A	95ms – 5sec	10ms – 150ms
4A - 6.3A	1 hour min.	30min. max.	N/A	150ms – 5sec	10ms – 150ms
8A - 20A	30min. min.	30min. max.	N/A	150ms – 5sec	10ms – 150ms

Specifications

Part Number	Current Rating	Interrupting Rating	Voltage Rating	Typical Cold Resistance (mOhms)	Typical Pre-Arcing I ² t (A ² Sec)	Typical Voltage Drop (mV)
5CT5-R500xx	0.5A	3000A @ 300VAC 3000A @ 300VDC		390	0.248	250
5CT5-R630xx	0.63A			360	0.352	210
5CT5-R800xx	0.8A			180	1.1	190
5CT5-1Axx	1A			195	1.3	180
5CT5-1.25Axx	1.25A			150	2	170
5CT5-1.6Axx	1.6A			100	4	110
5CT5-2Axx	2A			65	10	135
5CT5-2.5Axx	2.5A			35	11	130
5CT5-3.15Axx	3.15A			32	18	120
5CT5-4Axx	4A			25	25	138
5CT5-5Axx	5A			17.5	40	100
5CT5-6.3Axx	6.3A			15	75	90
5CT5-8Axx	8A			9.2	180	85
5CT5-10Axx	10A			7.2	400	75
5CT5-12Axx	12A	300A @ 300VAC 300A @ 300VDC 1500A @ 250VAC		5.5	550	80
5CT5-15Axx	15A			4	800	65
5CT5-16Axx	16A			3.7	950	63
5CT5-20Axx	20A			3.1	1600	70

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 xx= Axial lead length.

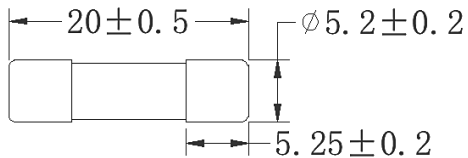
Time Delay | 5x20mm

Ceramic Tube Fuses

5CT5 Series

Dimension(Unit/mm)

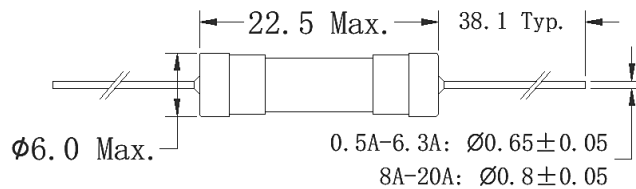
Cylindrical



Packaging

Cylindrical fuses: 500pcs per bag;
Axial Lead Fuses: 50pcs per bag, 4 bags/200pcs per box, 4 kpcs per carton.

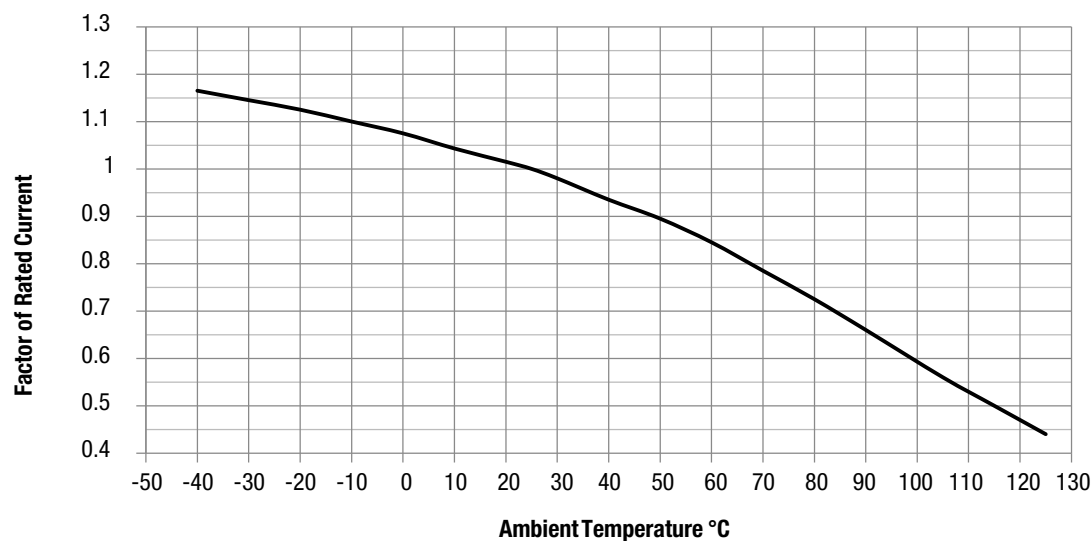
Axial leaded



The length of the lead
 38.00 ± 1.0 Ordering P/N: 5CT5-xxx E

Temperature Derating Curve

Operating Temperature: -40°C to $+125^{\circ}\text{C}$, with proper derating factor applied.



Time Current Curve

