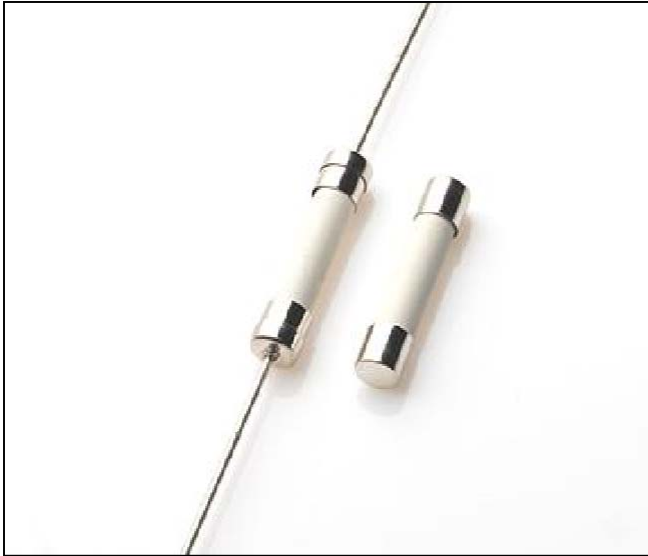


Type CEA

Fast Acting Ceramic Tube Fuses Series



Description

CEA $\Phi 6.35 \times 31.75$ mm Fast Acting type, 125V/250V in accordance to UL248-1,248-14

Features

- Lead-free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Low internal resistance
- Vibration resistant
- Internationally approved
- Shock safe casing
- Halogen free

Applications

Power supplies Battery Chargers
Consumer Electronics Industrial Controllers

Approvals. Agency

Safety Agency	Agency File Number	Ampere Range Volt@I.R.ABILITY
UL	E133774	250mA-10A 250V AC@50A 250mA-10A 125V AC@50A

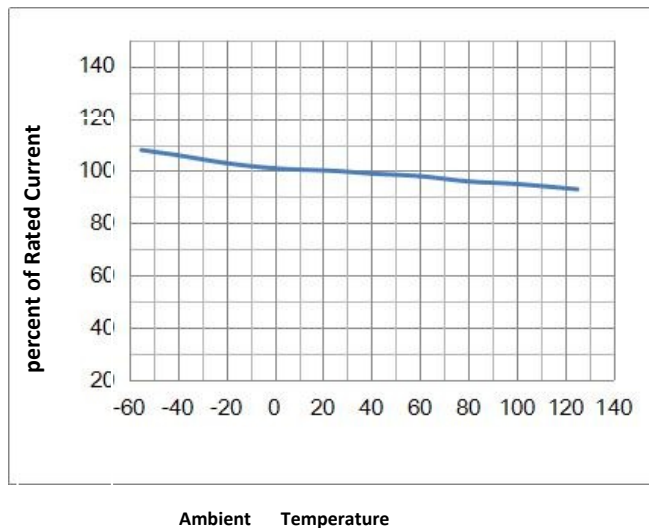
Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 Hour, Min
200%	30min,Max
1000%	0.020Sec.~0.250Sec.

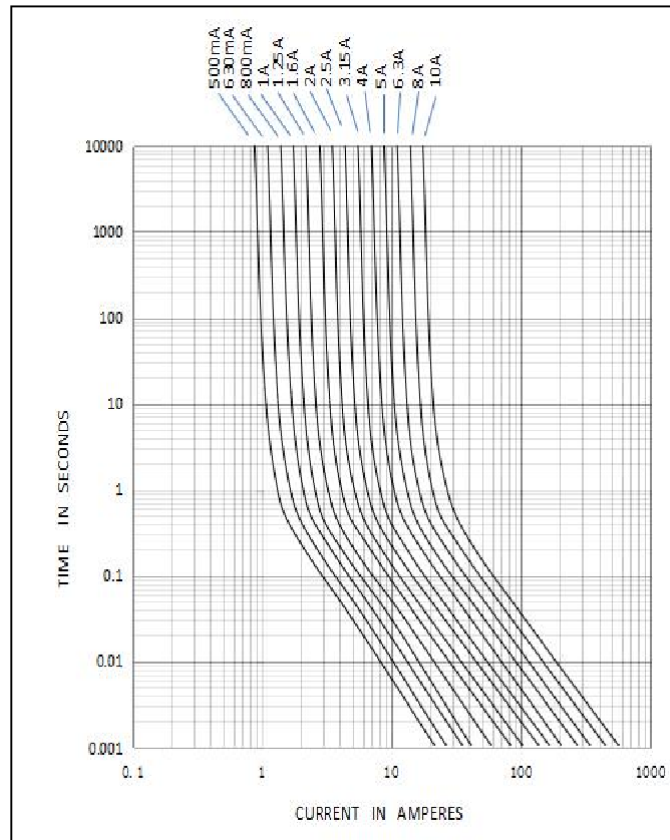
Electrical Characteristic Specifications by Item

Catalog Number	Rated Current	Voltage Rating	Breaking Capacity	Melting Integral 10In min(A ² S)	Agency Approvals
					cULus
CEA0500	500mA	125V / 250V	100A	0.50	●
CEA0630	630mA		100A	0.79	●
CEA0800	800mA		100A	1.28	●
CEA1100	1A		100A	2.00	●
CEA1125	1.25A		100A	3.125	●
CEA1150	1.5A		100A	4.5	●
CEA1200	2A		100A	8.00	●
CEA1250	2.5A		100A	12.5	●
CEA1315	3.15A		100A	19.84	●
CEA1400	4A		400A	32.00	●
CEA1500	5A		400A	50.00	●
CEA1600	6 A		400A	72.00	●
CEA1700	7A		400A	92.00	●
CEA1800	8A		400A	128.00	●
CEA2100	10A		400A	200.00	●

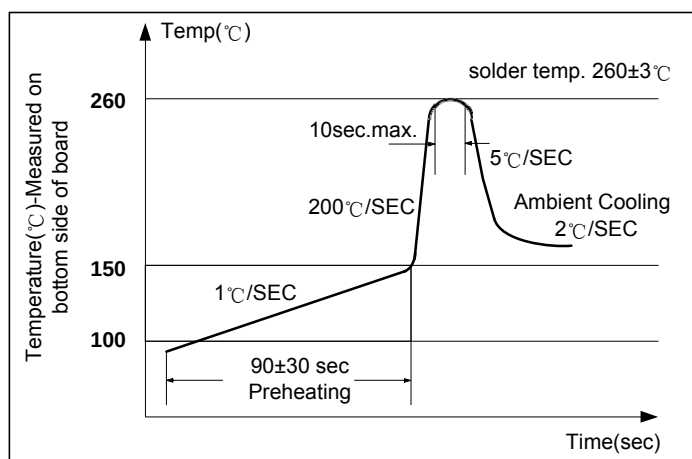
Temperature Re-rating Curve



Average Time Current Curves



Soldering Parameters-Wave Soldering



Recommended Process Parameters:

Lead-Free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200 °C/second
Heating rate during preheat	Typical 1-2 °C/second Max 4 °C/second
Final preheat temperature	Within 125 °C of soldering temperature
Peak temperature Tp	260 °C
Time within +0 °C/-5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C/second max

Type CEA

Fast Acting Ceramic Tube Fuses Series

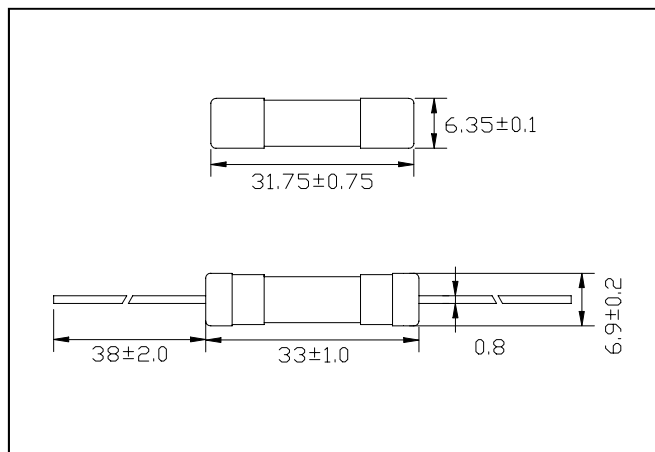


Product Characteristics

Materials	Ceramic Body
	Nickel Plated Brass Caps
	Lead Wire:Diameter 0.6mm
Lead Pull Strength	10 N(IEC 60068-2-21)
Solderability	260℃,≤3 sec.(wave)
	350℃,≤3 sec.(soldering iron)
Soldering Heat Resistance	260℃,10 sec.(IEC 60068-2-20) 350℃,≤3 sec.(soldering iron)

Operating Temperature	-55℃ to +125℃ (consider de-rating)
Climatic Category	-40℃ to +85℃/21 days (EN 60068-1, -2-1, -2-2, -2-78)
Stock Condition	+10℃ to +60℃ Relative humidity ≤75% yearly Average, without dew, maximum Value for 30 days -95%
Vibration Resistance	24 cycles at 15 min. each (EN 60068-2-6) 10-60 Hz at 0.75 mm amplitude 60-2000 Hz at 10 g acceleration

Mechanical Dimensions(Unit:mm)



Ordering Information

	CEA	1200	2	00
FUSE TYPE	CEA			
AMPERE RATING		2A(10 ¹ x200mA)		
VOLTAGE RATING		1:125V 2:250V		
			00: Standard 01: Axial Lead Fuse	

Packaging

Packaging Option	Packaging Specification	Quantity
Bulk(CEA)	N / A	200
Bulk(CAP)	N / A	100