

Type TEA

Time-Lag Glass Tube Fuses Series



Description

TEA Time-Lag 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
- Consumer Electronics
- Battery Chargers
- Industrial Controllers

Agency Approvals.

Safety Agency	Agency File Number	Ampere Range Volt@I.R.ABILITY
	E133774	500mA-10A 250V AC@200A 500mA-10A 125V AC@10kA

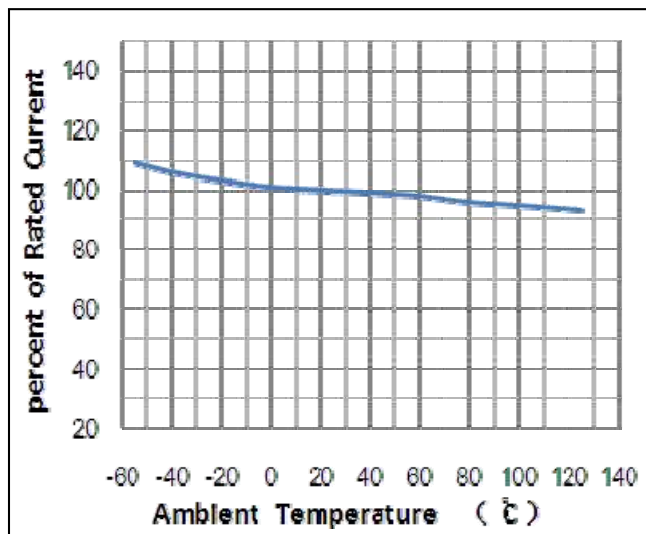
Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 Hour Min
135%	1H Max
200%	5Sec Min, 2min Max

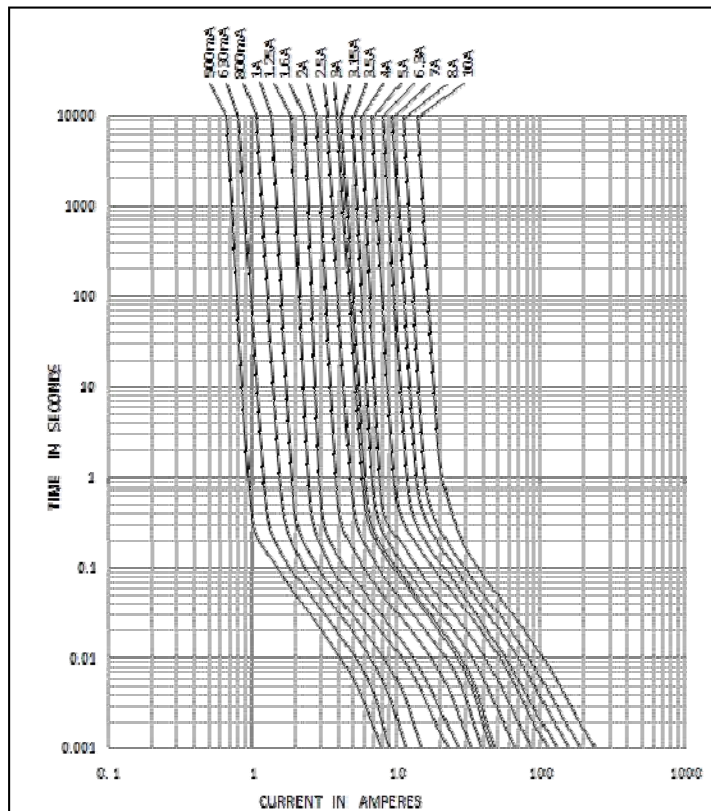
Electrical Characteristic Specifications by Item

Catalog Number	Rated Current	Voltage Rating	Breaking Capacity	Melting Integral 10In min(A²S)	Agency Approvals
					cULus
TEA0500	500mA	125VAC 250VAC	125Vac@10kA 250Vac@200A	2.52	●
TEA0630	630mA			4.30	●
TEA0800	800mA			1.55	●
TEA1000	1A			3.40	●
TEA1125	1.25A			5.80	●
TEA1150	1.5A			10.01	●
TEA1200	2A			7.59	●
TEA1250	2.5A			11.37	●
TEA1315	3.15A			20.65	●
TEA1400	4A			32.00	●
TEA1500	5A			58.00	●
TEA1630	6.3A			95.10	●
TEA1700	7A			151.00	●
TEA1800	8A			214.00	●
TEA2100	10A	361.80	●		

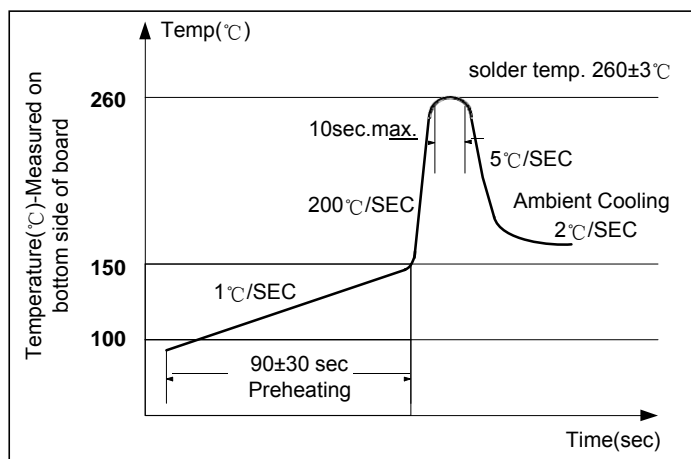
Temperature Re-rating Curve



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 T _p	260 °C
Time within +0 °C/-5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C/second max

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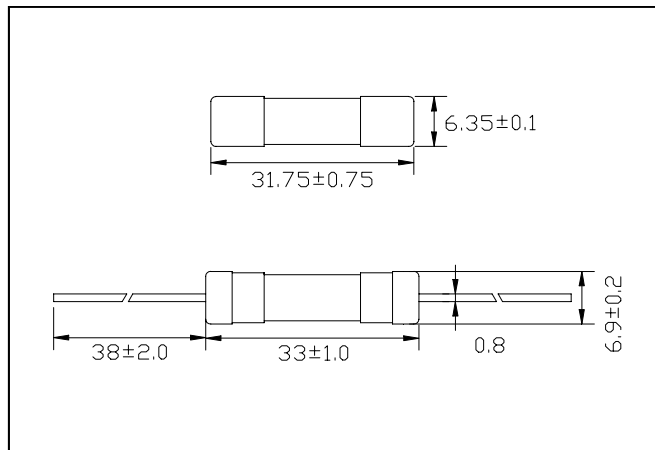


Product Characteristics

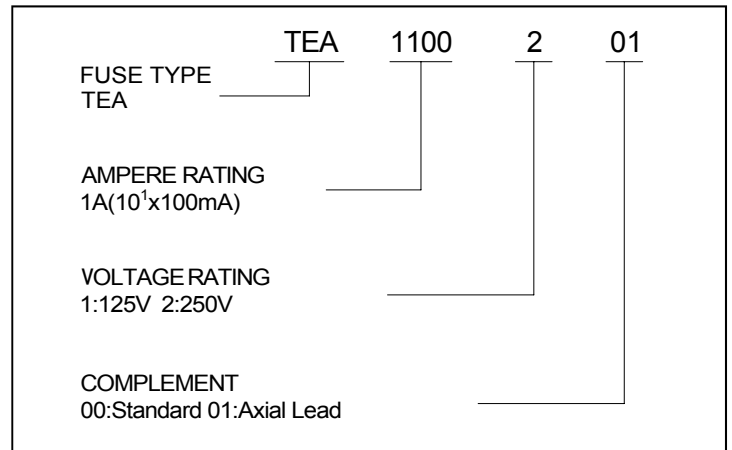
Materials	Glass Body Nickel Plated Brass Caps Lead Wire: Diameter 0.6mm
Lead Pull Strength	10 N(IEC 60068-2-21)
Solderability	260 °C, ≤3 sec.(wave) 350 °C, ≤3 sec.(soldering iron)
Soldering Heat Resistance	260 °C, 10 sec.(IEC 60068-2-20) 350 °C, ≤3 sec.(soldering iron)

Operating Temperature	-55 °C to +125 °C (consider de-rating)
Climatic Category	-40 °C to +85 °C/21 days (EN 60068-1, -2-1, -2-2, -2-78)
Stock Condition	+10 °C to +60 °C 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



Packaging

Packaging Option	Packaging Specification	Quantity
Standard(00)	N / A	200
Axial Lead(01)	N / A	100