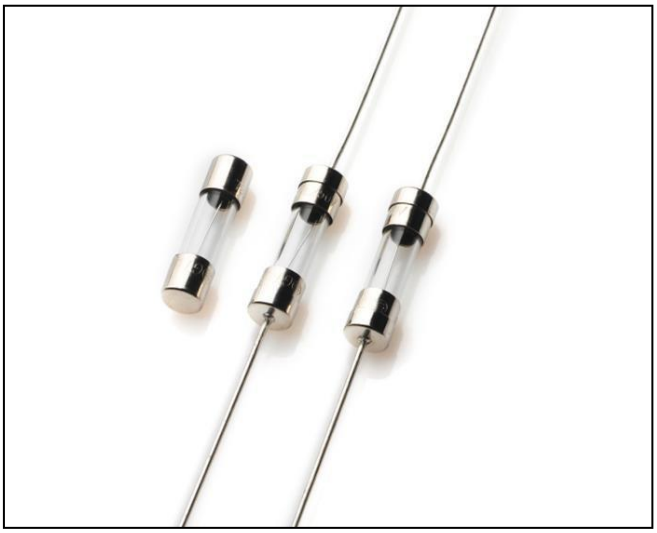
Type GTL

Time-Lag Glass Tube Fuses Series



Description

GTL Time-Lag Glass Tube Type,125V/250V/350V rated designed in accordance to IEC 60127.2,GB9364.2,UL 248-1/14.

Features

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

Applications

- Power supplies
- Battery Chargers
- Consumer Electronicsii
- Industrial Controllers
- Adapter

Agency Approvals.

Safety Agency	Agency File Number	Ampere Range Volt@I.R.ABILITY
	J 50438069	12.5A~20A 10In@250V AC
	2020970207000091	250mA~3.15A 35A@250V AC 4A~6.3A 10In@250V AC
CQC	CQC16012150688	8A~20A 10In@250V AC
c US	E485357	100mA-20A 10kA@125V AC 100mA-20A 100A@250V AC 100mA-20A 100A@350V AC
	R 50470076	250mA~3.15A 35A@250V AC 4A~10A 10In@250V AC

Electrical Characteristics for Series

% of Ampere Rating	Opening Time
150%	1 Hour,Min.
210%	2min,Max.
275%	600ms Min.,10s Max.
400%	150ms Min.,3s Max.
1000%	20ms Min.,300ms Max.

Electrical Characteristic Specifications by Item

Catalog Number	Rated Current	Voltage Rating	Breaking Capacity	Melting Integral 10In min(A^2S)	Agency Approvals			
					TUV	CQC	CCC	cURus
GTL0250	250mA	125VAC 250VAC 350VAC	10kA@125V AC 100A@250V AC 100A@350V AC	0.065	●		●	●
GTL0315	315mA			0.087	●		●	●
GTL0400	400mA			0.150	●		●	●
GTL0500	500mA			0.330	●		●	●
GTL0630	630mA			0.530	●		●	●
GTL0800	800mA			1.984	●		●	●
GTL1100	1A			3.100	●		●	●
GTL1125	1.25A			5.100	●		●	●
GTL1160	1.6A			11.000	●		●	●
GTL1200	2A			17.00	●		●	●
GTL1250	2.5A			39.00	●		●	●
GTL1315	3.15A			50.00	●		●	●
GTL1400	4A			66.00	●		●	●
GTL1500	5A			103.00	●		●	●
GTL1630	6.3A			176.00	●		●	●
GTL1800	8A			351.00	●	●		●
GTL2100	10A			360.00	●	●		●
GTL2125	12.5A			562.50	●	●		●
GTL2150	15A			855.00	●			●
GTL2160	16A			1228.80	●	●		●
GTL2200	20A			1600.00	●	●		●

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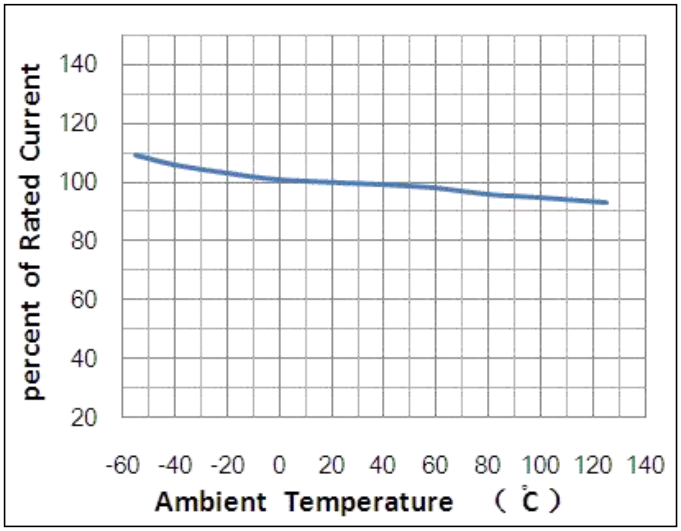
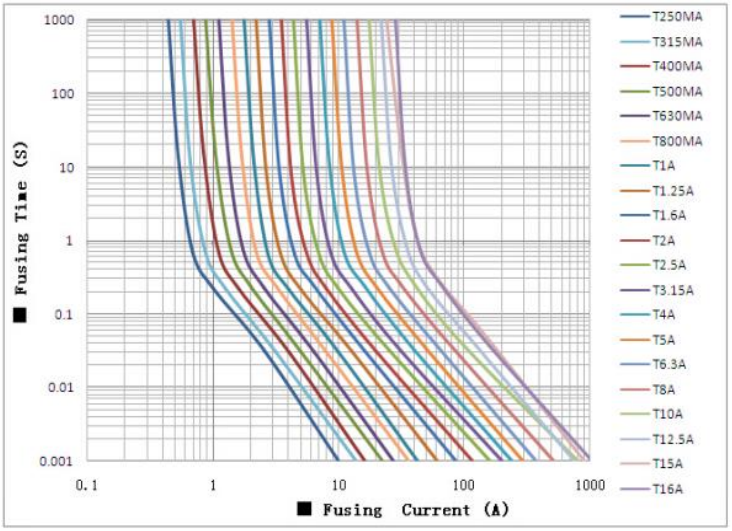
Temperature Re-rating Curve

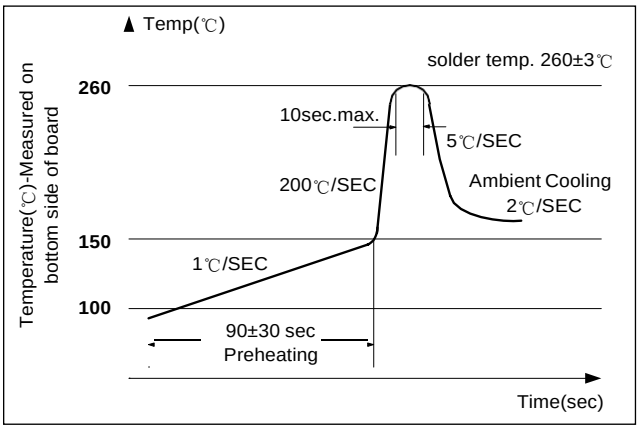


Average Time Current Curves



Soldering Parameters-Wave Soldering

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



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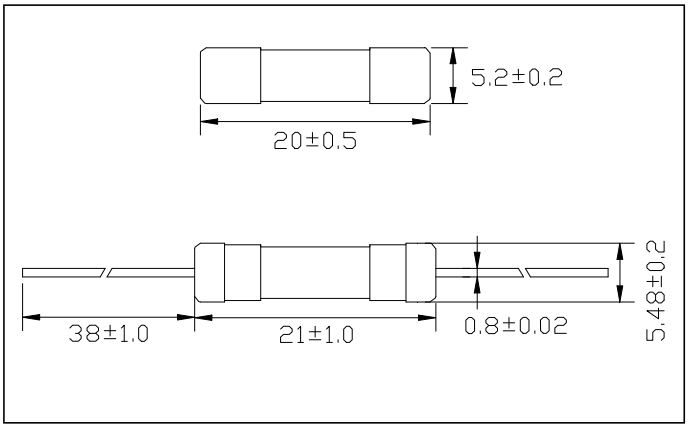
Product Characteristics

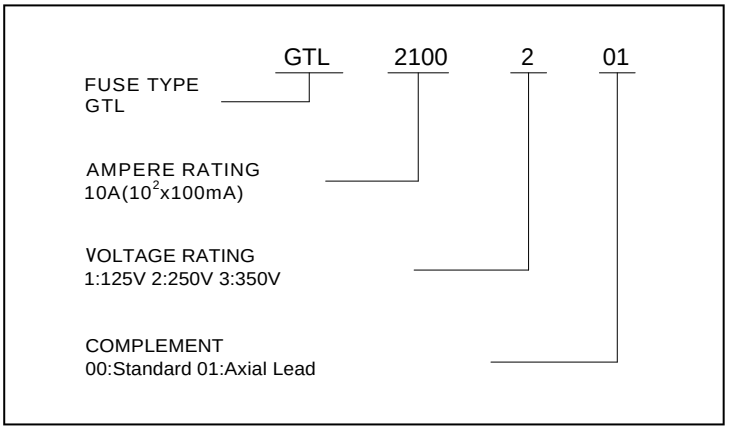
Materials	Glass Body Nickel Plated Brass Caps Lead Wire :Diameter 0.8/0.65/1.0mm
Lead Pull Strength	10 N(IEC 60068-2-21)
Soldering Parameters	260℃,≤10 sec.(wave) 350℃,≤3 sec.(soldering iron)
Soldering Heat Resistance	260℃,10 sec.(IEC 60068-2-20) 350℃,≤3 sec.(soldering iron)

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



Packaging

Packaging Option	Packaging Specification	Quantity
Standard	N / A	500
Axial Lead	N / A	100

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