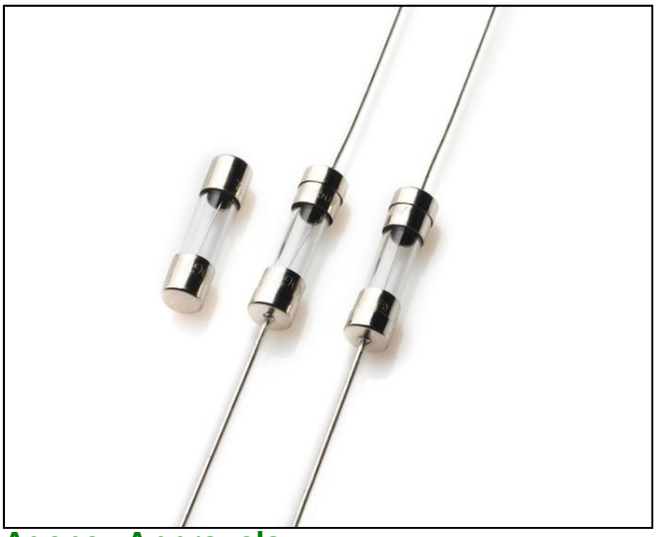
Type GTL

Time-Lag Glass Tube Fuses Series



Description

GTL Time-Lag type,125V/250V/350V rated designed in accordance to IEC 60127, GB9364.

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
VDE	40003683	250mA-3.15A 250VAC@35A 4A-6.3A 250VAC@10xIn
CCC	200601020718 5976	250mA-3.15A 250VAC@35A 4A-6.3A 250VAC@10xIn
CQC	16012142172	8A 250VAC@10xIn
cULus	E485357	250mA-20A125Vac@10KA 250mA-10A 250Vac@200A 250mA-10A 250V/350vdc@50A 250mA-10A 350Vac@100A 12.5A-20A250Vac@100A 12.5A-20A350Vac@100A
TUV	J 50438069	12.5A-20A 250VAC@10xIn

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

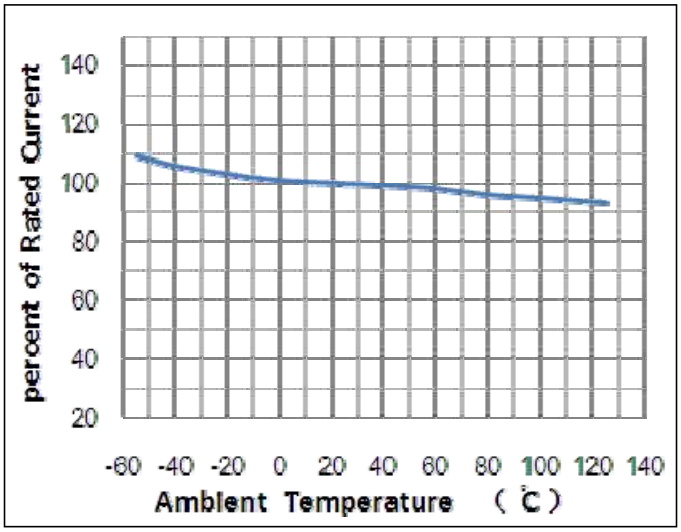
Catalog Number	Rated Current	Voltage Rating	Breaking Capacity	Melting Integral 10In min(A2S)	Agency Approvals				
					VDE	TUV	CQC	CCC	cURus
GTL0250	250mA	125VAC 250VAC 250VDC 350VAC 350VDC	125VAC@10KA 250VAC@200A 250VDC@50A 350VAC@100A 350VDC@50A	0.065	●			●	●
GTL0315	315mA			0.087	●			●	●
GTL0400	400mA			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		125VAC@10KA 250VAC@100A 350VAC@100A	562.50		●			●
GTL2150	15A			855.00		●			●
GTL2160	16A			1228.80		●			●
GTL2200	20A			1600.00		●			●

Revised:MAY.2017

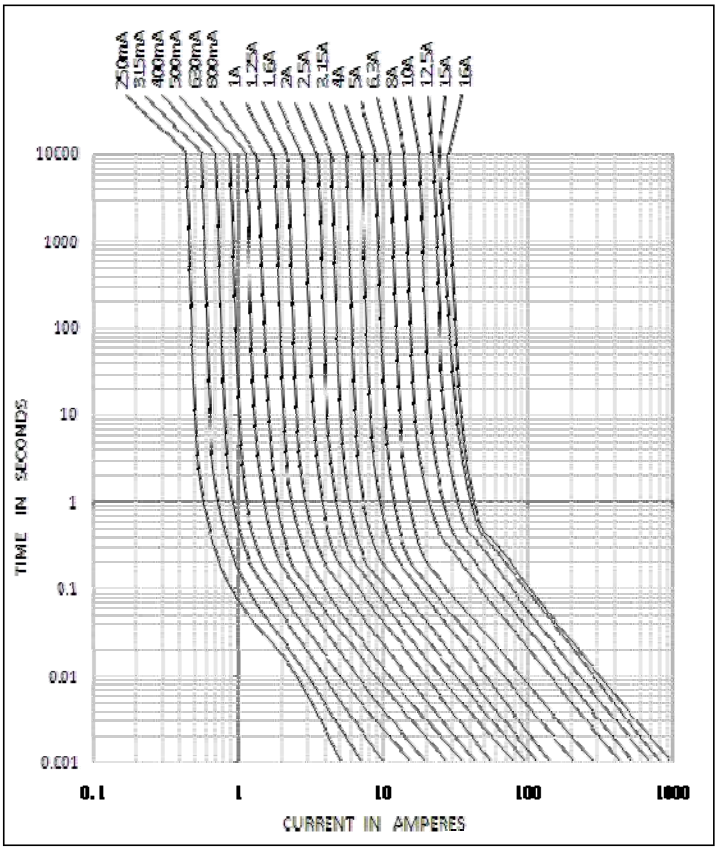
Type GTL

Time-Lag Glass Tube Fuses Series

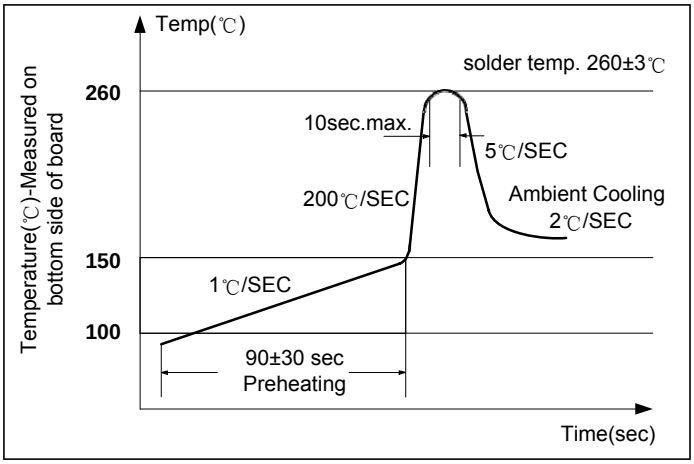
Temperature Re-rating Curve



Average Time Current Curves



Soldering Parameters-Wave Soldering



Recommended Process Parameters:

Lead-Free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200℃/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

Specifications are subject to change without notice
Revised:MAY.2017

Type GTL

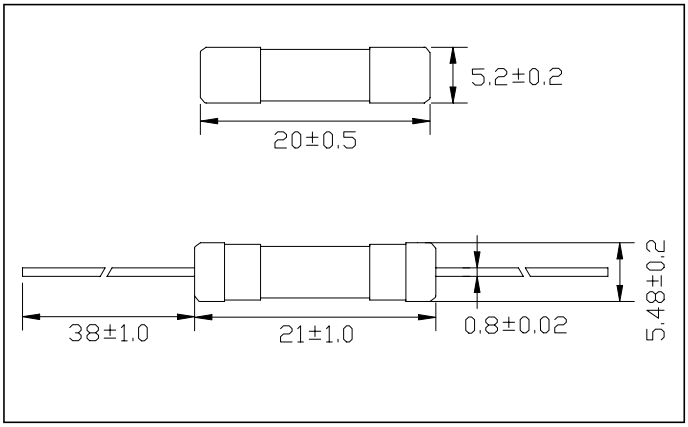
Time-Lag Glass Tube Fuses Series

Product Characteristics

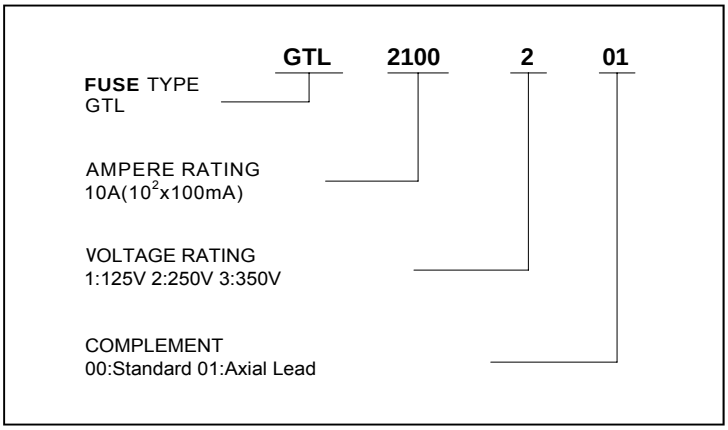
Materials	Glass Body Nickel Plated Brass Caps Lead Wire :Diameter 0.8mm
Lead Pull Strength	10 N(IEC 60068-2-21)
Soldering Parameters	260℃,≤10 sec.(wave) 350℃,≤3 sec.(soldering iron)
Soldering Heat Resistance	260℃,10 sec.(IEC 60068-2-20) 350℃,≤3 sec.(soldering iron)

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(00)	N / A	500
Axial Lead(01)	N / A	100

Revised:MAY.2017