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PRODUCT DATASHEET

GLASS TUBE FUSE


**JFG5T GLASS TUBE FUSE**



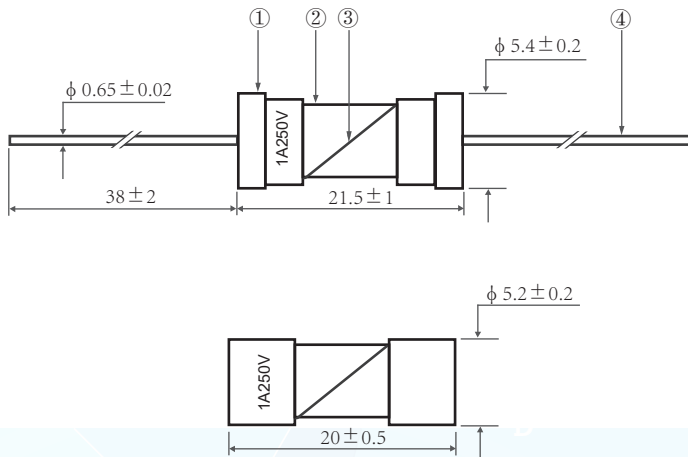
### Description

JFG5T ,Time-lag glass tube fuse,suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Lighting, Power supply and Adapter applications, etc.

### Agency Approvals

Agency	File Number	Ampere Range
	E486200	0.2A~10A

### Dimensions and Structure(mm.)



NO.	Part Name	Material
①	Cap	Nickel Plated Brass
②	Body	Glass Tube
③	Fuse element	Alloy
④	Lead wire	Tin Plated Copper

### Operating Characteristics

% of Ampere Rating(In)	Blowing Time
100%*In	4 hours Min
135%*In	1 hour Max
200%*Ih	120 sec Max

**Performance Specification**

Model	Ampere Rating (A)	Voltage Rating	Breaking Capacity	I <sup>2</sup> T Melting Integral(A <sup>2</sup> S)	
JFG5T0100N/L	0.10	250V/125V	10000A@125V AC 35A@250V AC	0.005	
JFG5T0125N/L	0.125			0.01	
JFG5T0160N/L	0.16			0.02	
JFG5T0200N/L	0.20			0.04	
JFG5T0250N/L	0.25			0.06	
JFG5T0300N/L	0.30			0.08	
JFG5T0315N/L	0.315			0.10	
JFG5T0350N/L	0.35			0.13	
JFG5T0400N/L	0.40			0.19	
JFG5T0500N/L	0.50			0.32	
JFG5T0630N/L	0.63			0.54	
JFG5T0750N/L	0.75			0.93	
JFG5T0800N/L	0.80			1.16	
JFG5T1100N/L	1.00			2.5	
JFG5T1125N/L	1.25			10000A@125V AC 100A@250V AC	4.2
JFG5T1150N/L	1.50		6.2		
JFG5T1160N/L	1.60		11		
JFG5T1200N/L	2.00		20		
JFG5T1250N/L	2.50		39		
JFG5T1300N/L	3.00		64		
JFG5T1315N/L	3.15		69		
JFG5T1350N/L	3.50		70		
JFG5T1400N/L	4.00		83		
JFG5T1500N/L	5.00		90		
JFG5T1600N/L	6.00		10000A@125V AC 200A@250V AC		102
JFG5T1630N/L	6.30				126
JFG5T1700N/L	7.00				129
JFG5T1800N/L	8.00				147
JFG5T2100N/L	10.0				221
JFG5T2160N/L	16.0			450	
JFG5T2200N/L	20.0	540			

### Product Characteristics

Item	Contain	
Lead Pull Strength	5N for 10±1 Seconds	
Lead Thrust Strength	2N for 10±1 Seconds	
Solder ability	Wave	260°C, ≤3s;
	Soldering Iron	350±10°C, ≤3s
Soldering Heat Resistance	Wave	260°C, 10s
	Soldering Iron	350°C, 5s.

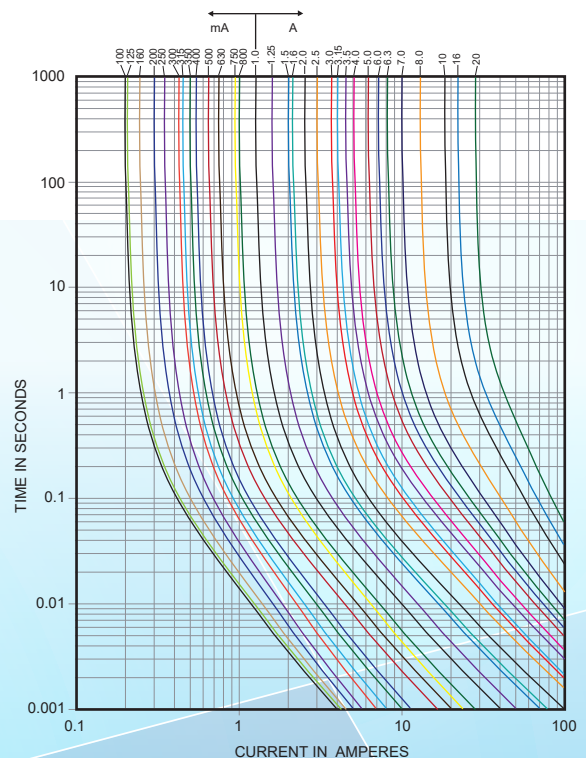
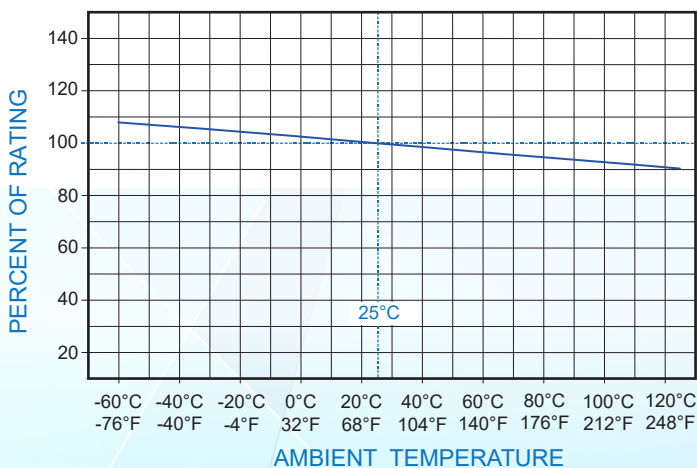
### Electrical Characteristics

Test Condition	All electrical test is to be conducted with the ambient air at a temperature of 25±5°C.
Load capacity	When the fuse loads through 100% of rated current, should blow within 4 hours.
Temperature Test	When the 100% times of Ampere Rating passes the fuse, after reaching thermal balance , the temperature on the fuse surface rising shall not be higher than 75°C. Note: Rising temperature = the Surface temperature - Ambient temperature.

### Environmental Characteristic

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from 20~30°C, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:

**Average Time-Current Curve**

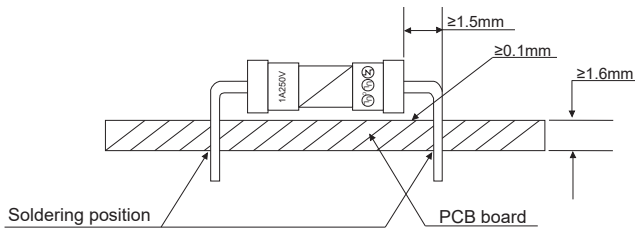


<b>Operating Temperature</b>	-55°C ~ +125°C
<b>Stock Condition</b>	Humidity: Relative humidity ≤ 75% store 3 years in average

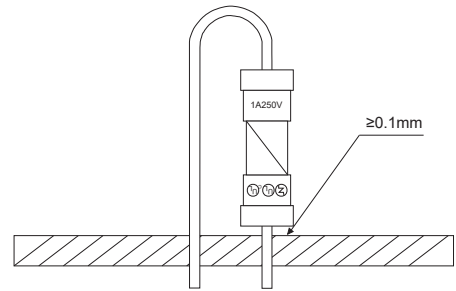
### Installation Recommendations

Propose installation way as following picture:

A. Horizontal installation



B. Vertical installation

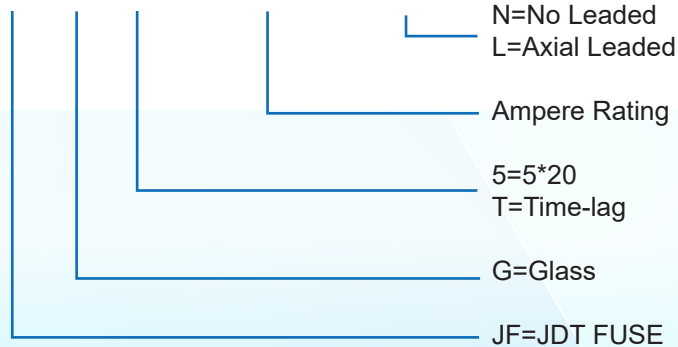


Recommended Soldering Parameters:

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Wave Parameters	Solder Pot Temperature: 260°C Max Solder Dwell Time 2~5s
Hand-Solder Parameters	Solder Iron Temperature: 350±5°C Heating Time: 5s Max

### Part Number System

**JF G 5T XXXX N/L**



### Packaging

Shape	Packaging & Quantity
No Ledged	500 pcs/poly bag
Axial Ledged	200 pcs/poly bag