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PRODUCT DATASHEET

GLASS TUBE FUSE

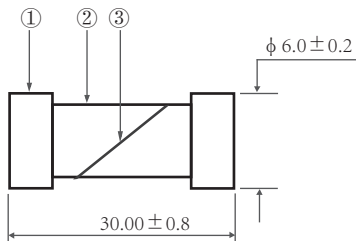
JFG6F GLASS TUBE FUSE


Description

JFG6F ,Fast Acting 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
	E486200

Dimensions and Structure(mm.)


NO.	Part Name	Material
①	Cap	Nickel Plated Brass
②	Body	Transparent glass tube
③	Fuse element	Alloy

Operating Characteristics

% of Ampere Rating(In)	Blowing Time
100%*In	4 hours Min
200%*Ih	60 sec Max

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I ² TMelting Integral(A ² .S)
JFG6F0100N/L	0.10	250V	100A@250V	0.11
JFG6F0500N/L	0.50			0.49
JFG6F0630N/L	0.63			0.81
JFG6F0750N/L	0.75			1.10
JFG6F0800N/L	0.80			1.21
JFG6F1100N/L	1.00			1.32
JFG6F1125N/L	1.25			1.44
JFG6F1150N/L	1.50			2.10
JFG6F1160N/L	1.60			4.84
JFG6F1200N/L	2.00			7.29
JFG6F1250N/L	2.50			11.2
JFG6F1300N/L	3.00			24.0
JFG6F1315N/L	3.15			26.1
JFG6F1350N/L	3.50			34.8
JFG6F1400N/L	4.00			49.0
JFG6F1500N/L	5.00			81.0
JFG6F1600N/L	6.00			121
JFG6F1630N/L	6.30		142	
JFG6F1800N/L	8.00		219	
JFG6F2100N/L	10.0		324	
JFG6F2120N/L	12.0	729		
JFG6F2150N/L	15.0	1936		

Product Characteristics

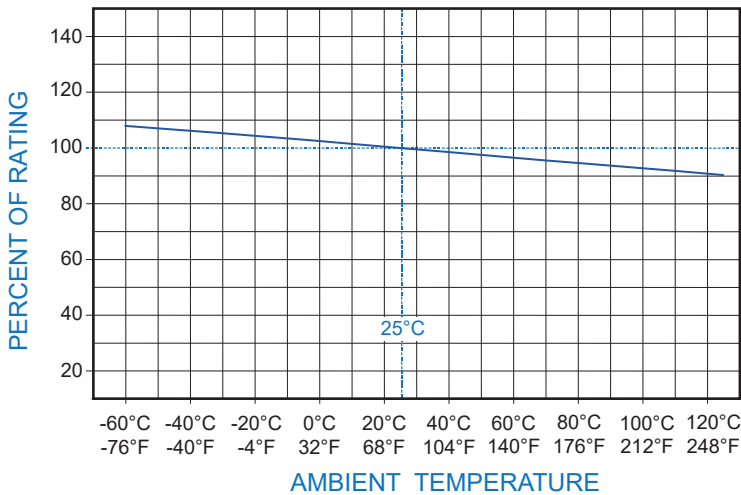
Item	Contain	
Lead Pull Strength	5N for 10±1 Seconds	
Lead Thrust Strength	2N for 10±1 Seconds	
Solder ability	Wave	260°C, ≤3s;
	Soldering Iron	350±10°C, ≤3s
Soldering Heat Resistance	Wave	260°C, 10s
	Soldering Iron	350°C, 5s.

Electrical Characteristics

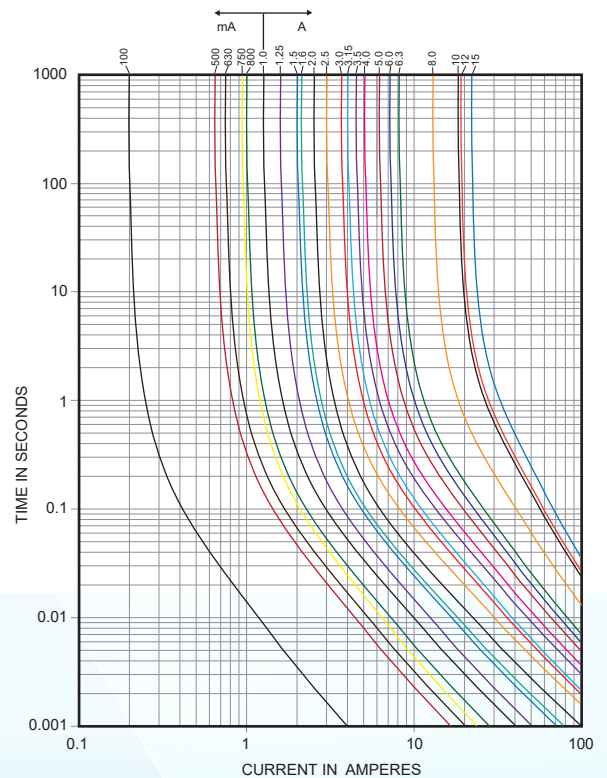
Test Condition	All electrical test is to be conducted with the ambient air at a temperature of $25\pm 5^{\circ}\text{C}$
Load capacity	When the fuse loads through 100% of rated current, should blow within 4 hours.
Temperature Test	When the 100% times of Ampere Rating passes the fuse, after reaching thermal 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 $20\sim 30^{\circ}\text{C}$, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:



Average Time-Current Curve



Operating Temperature

$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$

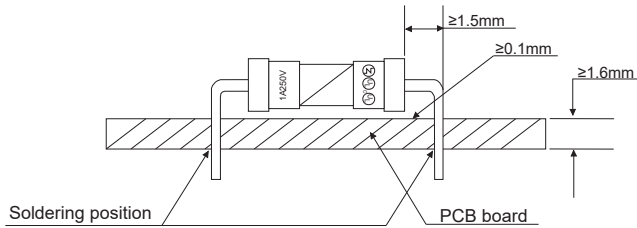
Stock Condition

Humidity: Relative humidity $\leq 75\%$ store 3 years in average

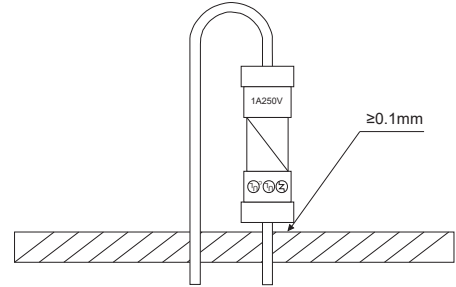
Installation Recommendations

Propose installation way as following picture:

A.Horizontal installation



B.Vertical installation

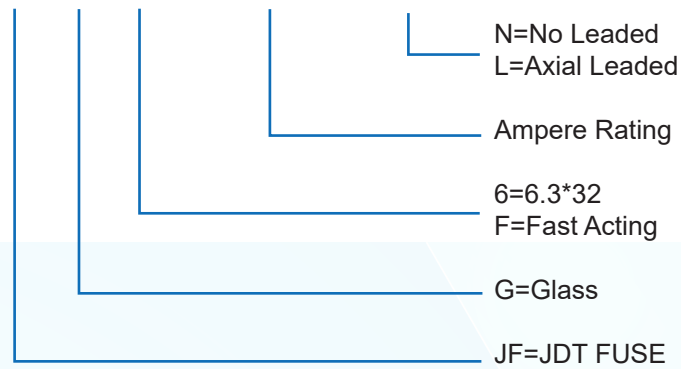


Recommended Soldering Parameters:

Recommended Soldering Parameters	
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 6F XXXX N/L



Packaging

Shape	Packaging & Quantity
No Ledged	200 pcs/poly bag
Axial Ledged	100 pcs/poly bag