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PRODUCT DATASHEET

GLASS TUBE FUSE

JFG3F GLASS TUBE FUSE



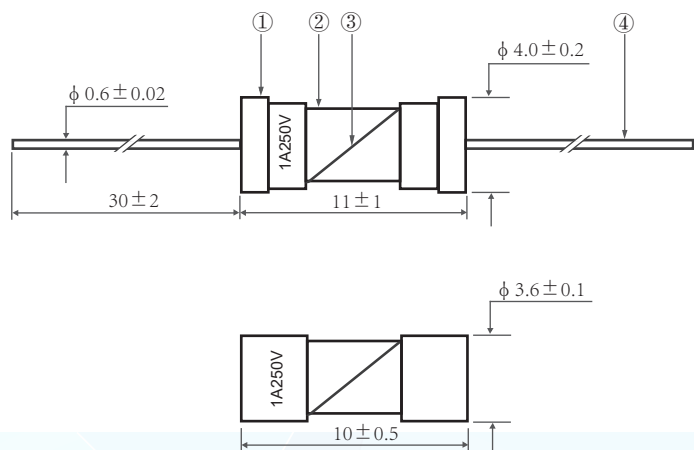
Description

JFG3F ,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	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
200%*In	60 sec Max

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I ² TMelting Integral(A ² .S)
JFG3F0050N/L	0.05	125V/250V	50A @125V/250VAC	0.0003
JFG3F0063N/L	0.063			0.0007
JFG3F0080N/L	0.08			0.0009
JFG3F0100N/L	0.10			0.0015
JFG3F0125N/L	0.125			0.0025
JFG3F0160N/L	0.16			0.0042
JFG3F0200N/L	0.20			0.0065
JFG3F0250N/L	0.25			0.010
JFG3F0300N/L	0.30			0.018
JFG3F0315N/L	0.315			0.020
JFG3F0350N/L	0.35			0.025
JFG3F0400N/L	0.40			0.035
JFG3F0500N/L	0.50			0.06
JFG3F0630N/L	0.63			0.15
JFG3F0750N/L	0.75			0.35
JFG3F0800N/L	0.80			0.5
JFG3F1100N/L	1.00			0.6
JFG3F1125N/L	1.25			1.2
JFG3F1150N/L	1.50			1.6
JFG3F1160N/L	1.60			1.8
JFG3F1200N/L	2.00			2.4
JFG3F1250N/L	2.50			3.2
JFG3F1300N/L	3.00			6.0
JFG3F1315N/L	3.15			7.0
JFG3F1350N/L	3.50			7.5
JFG3F1400N/L	4.00			8.0
JFG3F1500N/L	5.00			15
JFG3F1600N/L	6.00			24
JFG3F1630N/L	6.30			28
JFG3F1700N/L	7.00			36
JFG3F1800N/L	8.00			49
JFG3F2100N/L	10.0			65
JFG3F2120N/L	12.0			76
JFG3F2150N/L	15.0			83
JFG3F2160N/L	16.0			87
JFG3F2200N/L	20.0			124

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.

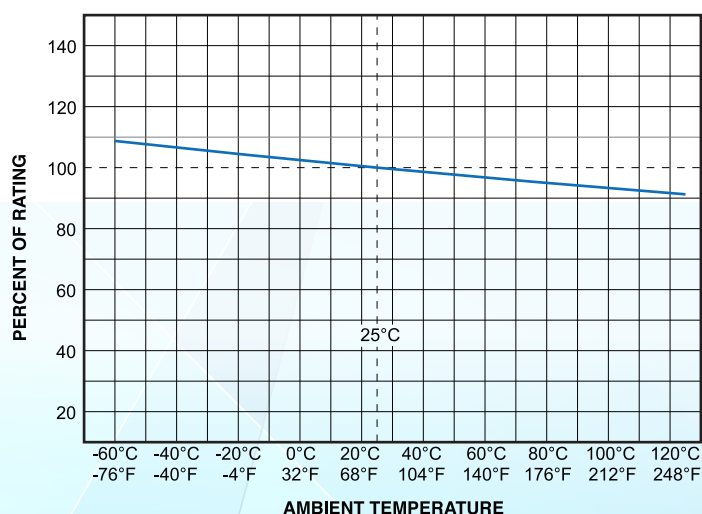
Electrical Characteristics

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.
Rising 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.

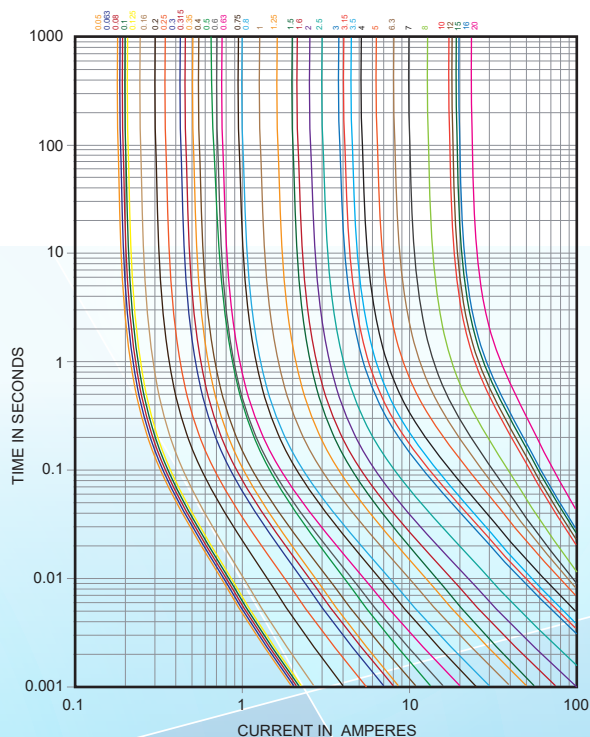
Environmental Characteristic

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 Derating Curve



Average Time-Current Curve

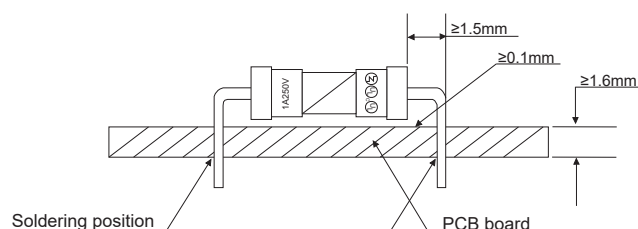


Operating Temperature	-55°C ~ +125°C
Stock Condition	Humidity: Relative humidity ≤ 75% store 3 years in average

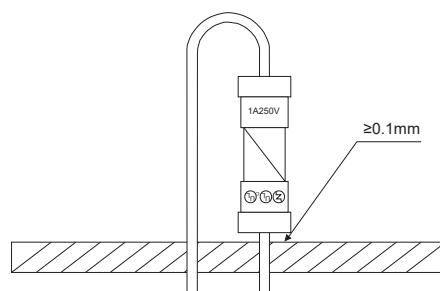
Installation Recommendations

Propose installation way as following picture:

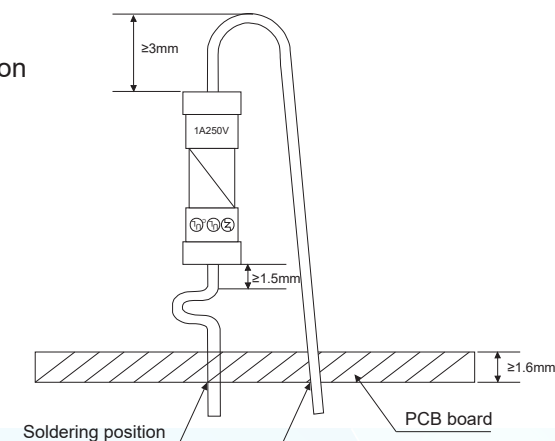
A. Horizontal installation



B. Vertical installation



C. Vertical installation



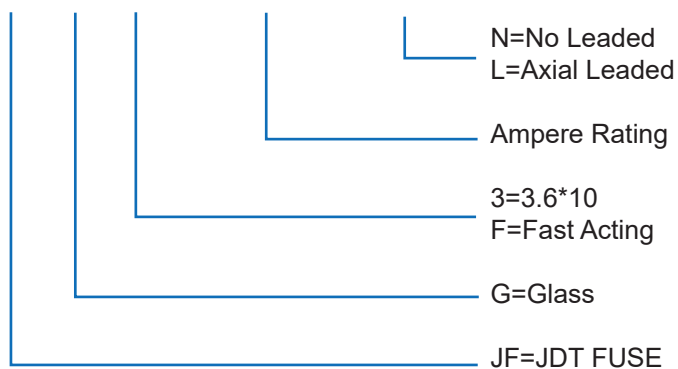
Recommended Soldering Parameters:

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 3F XXXX N/L



Packaging

Shape	Packaging & Quantity
No Leaded	1000 pcs/poly bag
Axial Leaded	500 pcs/poly bag