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PRODUCT DATASHEET

GLASS TUBE FUSE


JFG3T GLASS TUBE FUSE



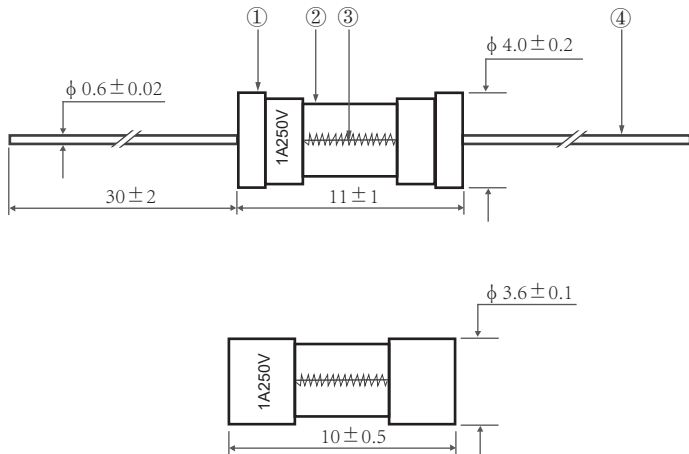
Description

JFG3T, 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
	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
1000%*In	10 ms Min

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I ² T Melting Integral (A ² .S)
JFG3T0100N/L	0.10	250V	50A @250VAC	0.0042
JFG3T0125N/L	0.125			0.010
JFG3T0160N/L	0.16			0.025
JFG3T0200N/L	0.20			0.035
JFG3T0250N/L	0.25			0.056
JFG3T0300N/L	0.30			0.10
JFG3T0315N/L	0.315			0.12
JFG3T0350N/L	0.35			0.15
JFG3T0400N/L	0.40			0.25
JFG3T0500N/L	0.50			0.35
JFG3T0630N/L	0.63			0.55
JFG3T0750N/L	0.75			0.70
JFG3T0800N/L	0.80			1.1
JFG3T1100N/L	1.00			2.0
JFG3T1125N/L	1.25			3.8
JFG3T1150N/L	1.50			4.2
JFG3T1160N/L	1.60			6.2
JFG3T1200N/L	2.00			13
JFG3T1250N/L	2.50			18
JFG3T1300N/L	3.00			28
JFG3T1315N/L	3.15			32
JFG3T1350N/L	3.50			39
JFG3T1400N/L	4.00			43
JFG3T1500N/L	5.00			58
JFG3T1600N/L	6.00			73
JFG3T1630N/L	6.30			81
JFG3T1700N/L	7.00			183
JFG3T1800N/L	8.00			196
JFG3T2100N/L	10.0			224
JFG3T2120N/L	12.0			270
JFG3T2150N/L	15.0			290
JFG3T2160N/L	16.0			304
JFG3T2200N/L	20.0	340		

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.

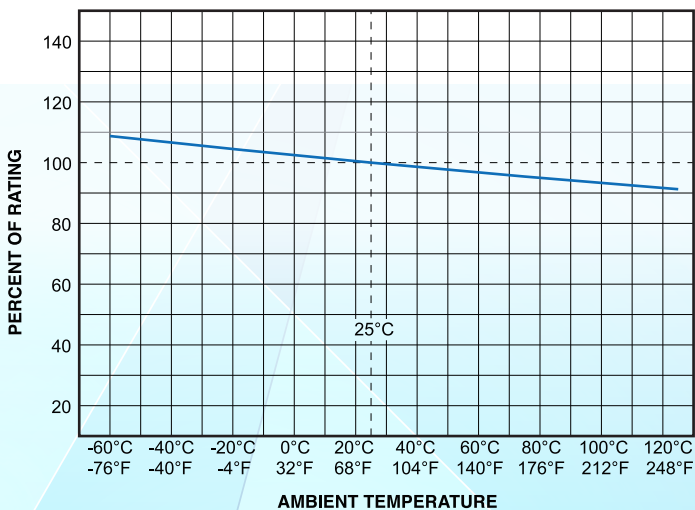
Electrical Characteristics

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.

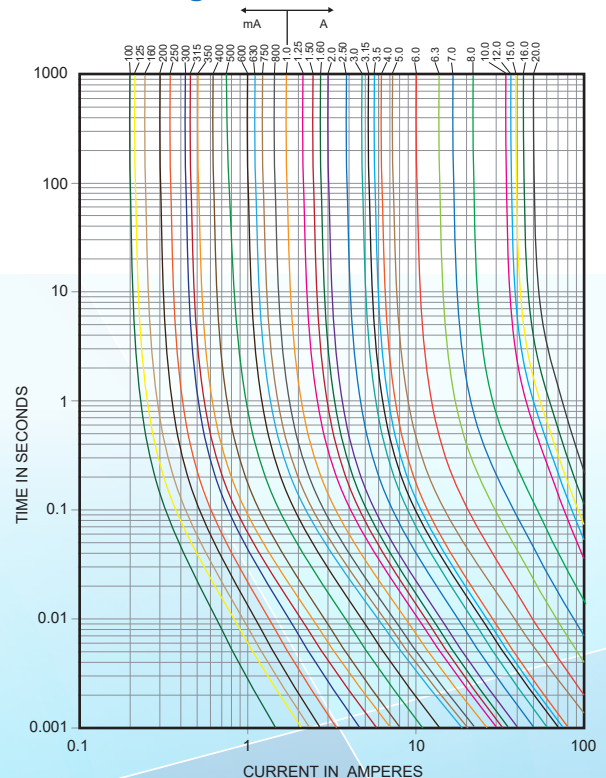
Environmental Characteristic

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

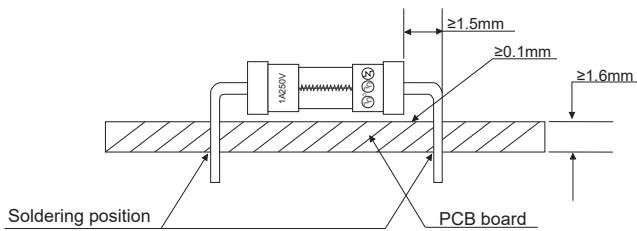


Operating Temperature	-55°C ~ +125°C
Stock Condition	Humidity: Relative humidity ≤ 75% store 3 years in average

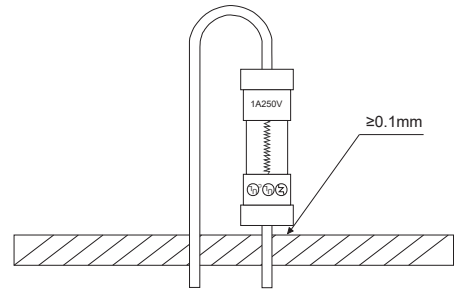
Installation Recommendations

Propose installation way as following picture:

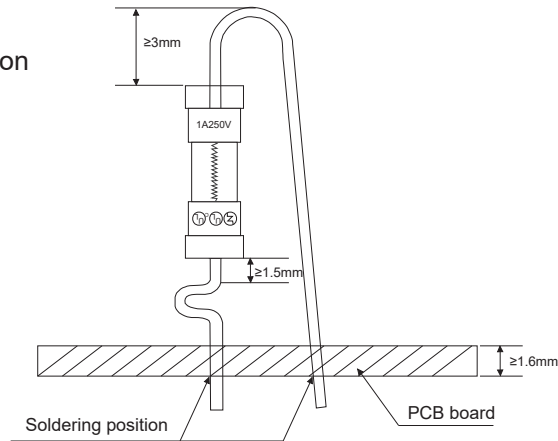
A. Horizontal installation



B. Vertical installation



C. Vertical installation

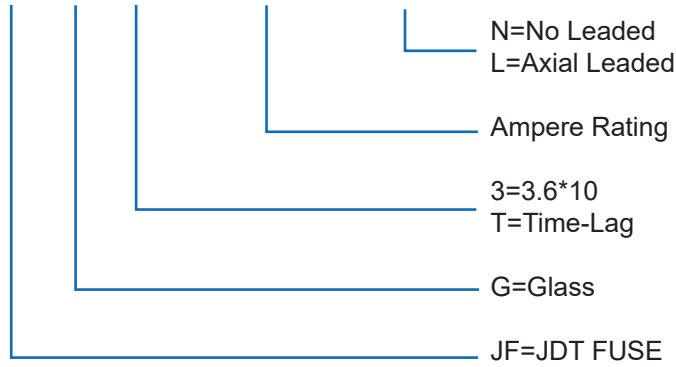


Recommended Soldering Parameters:

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

JFG 3T XXXX N/L



Packaging

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