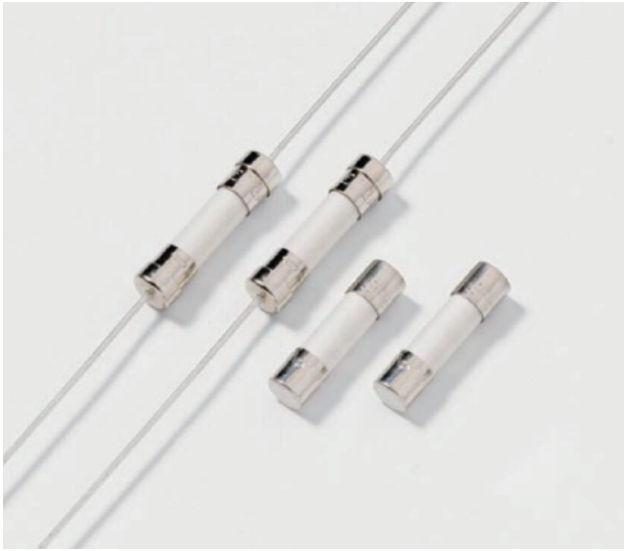


为您的产品保驾护航

PRODUCT DATASHEET

CERAMIC TUBE FUSE


**JFC3T CERAMIC TUBE FUSE**



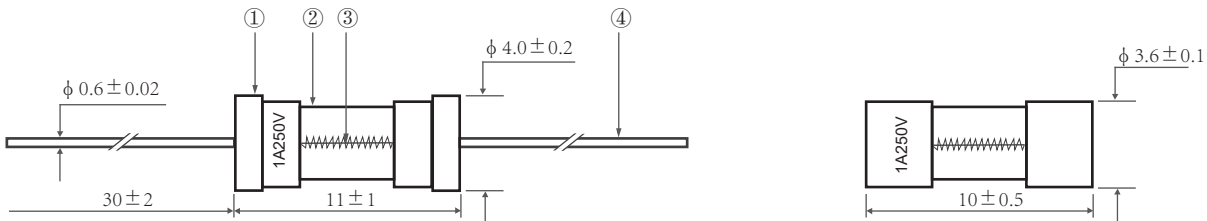
### Description

JFC3T ,Time-Lag ceramic 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	Non-Transparent 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 <sup>2</sup> T Melting Integral(A <sup>2</sup> .S)
JFC3T0100N/L	0.10	250V125V	50A @125V/250VAC	0.0042
JFC3T0125N/L	0.125			0.010
JFC3T0160N/L	0.16			0.025
JFC3T0200N/L	0.20			0.035
JFC3T0250N/L	0.25			0.056
JFC3T0300N/L	0.30			0.10
JFC3T0315N/L	0.315			0.12
JFC3T0350N/L	0.35			0.15
JFC3T0400N/L	0.40			0.25
JFC3T0500N/L	0.50			0.35
JFC3T0630N/L	0.63			0.55
JFC3T0750N/L	0.75			0.70
JFC3T0800N/L	0.80			1.1
JFC3T1100N/L	1.00			2.0
JFC3T1125N/L	1.25			3.8
JFC3T1150N/L	1.50			4.2
JFC3T1160N/L	1.60			6.2
JFC3T1200N/L	2.00			13
JFC3T1250N/L	2.50			18
JFC3T1300N/L	3.00			28
JFC3T1315N/L	3.15			32
JFC3T1350N/L	3.50			39
JFC3T1400N/L	4.00			43
JFC3T1500N/L	5.00			58
JFC3T1600N/L	6.00			70
JFC3T1630N/L	6.30			81
JFC3T1700N/L	7.00			92
JFC3T1800N/L	8.00			106
JFC3T2100N/L	10.0			120

### 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.

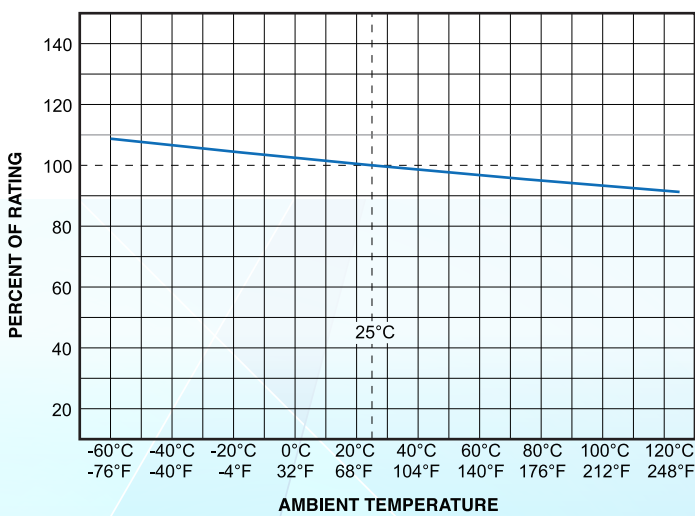
### Electrical Characteristics

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.

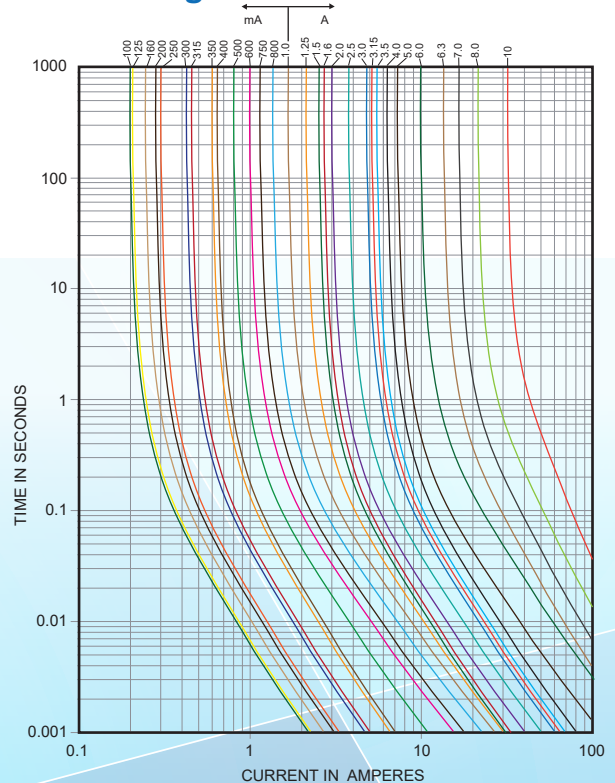
### Environmental Characteristic

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 Rerating Curve:

#### Temperature Rerating Curve



#### Average Time-Current Curve

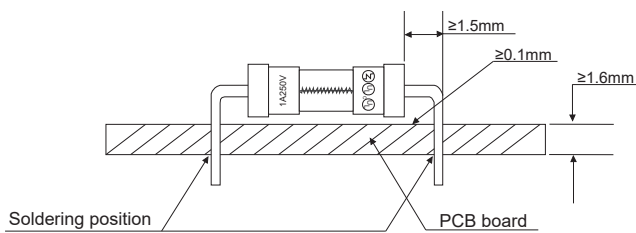


<b>Operating Temperature</b>	-55°C ~ +125°C
<b>Stock Condition</b>	Humidity: Relative humidity ≤ 75% store 3 years in average

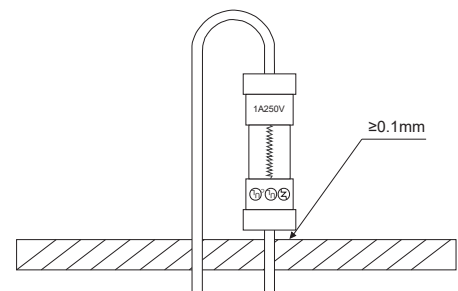
### Installation Recommendations

Propose installation way as following picture:

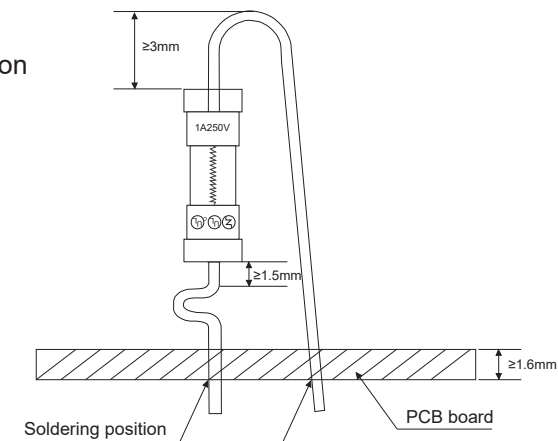
A. Horizontal installation



B. Vertical installation



C. Vertical installation

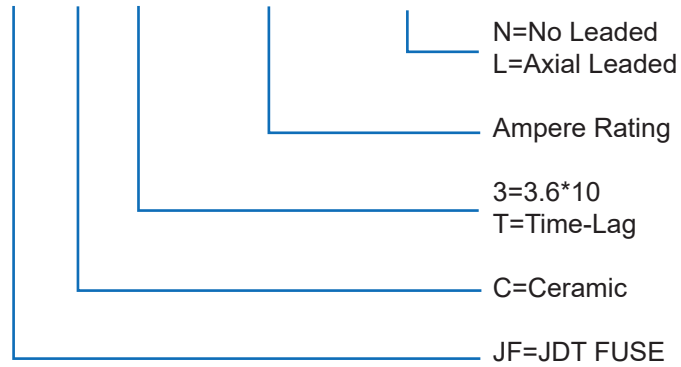


Recommended Soldering Parameters:

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 C 3T XXXX N/L**



**Packaging**

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