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PRODUCT DATASHEET

CERAMIC TUBE FUSE

**JFC6T CERAMIC TUBE FUSE**



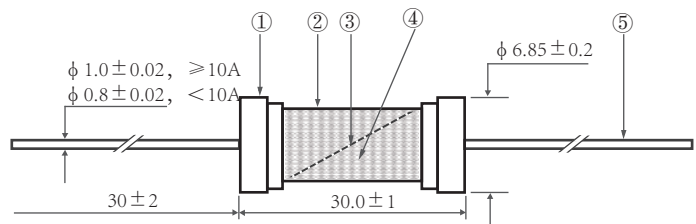
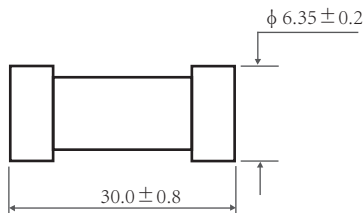
### Description

JFC6T ,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 Ceramic Tube
③	Fuse element	Alloy
④	Filler	Silica
⑤	Lead wire	Tin Plated Copper

### Operating Characteristics

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

**Performance Specification**

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I <sup>2</sup> T Melting Integral(A <sup>2</sup> .S)
JFC6T0100N/L	0.10	250V	100A@250V	0.11
JFC6T0500N/L	0.50			0.49
JFC6T0630N/L	0.63			0.81
JFC6T0750N/L	0.75			1.10
JFC6T0800N/L	0.80			1.21
JFC6T1100N/L	1.00			1.32
JFC6T1125N/L	1.25			1.44
JFC6T1150N/L	1.50			2.10
JFC6T1160N/L	1.60			4.84
JFC6T1200N/L	2.00			7.29
JFC6T1250N/L	2.50			11.2
JFC6T1300N/L	3.00			24.0
JFC6T1315N/L	3.15			26.1
JFC6T1350N/L	3.50			34.8
JFC6T1400N/L	4.00			49.0
JFC6T1500N/L	5.00			81.0
JFC6T1600N/L	6.00			121
JFC6T1630N/L	6.30		142	
JFC6T1800N/L	8.00		219	
JFC6T2100N/L	10.0		324	
JFC6T2120N/L	12.0		729	
JFC6T2150N/L	15.0		1936	
JFC6T2200N/L	20.0		3600	
JFC6T2250N/L	25.0	3844		
JFC6T2300N/L	30.0	4305		
			75A@250V	

**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.

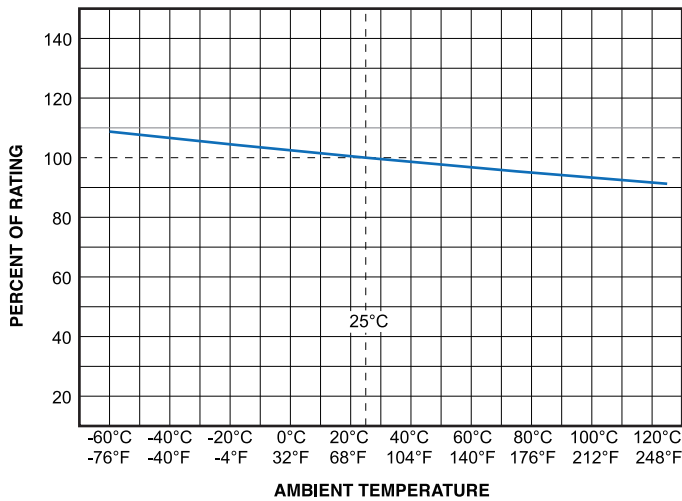
### Electrical Characteristics

<b>Test Condition</b>	All electrical test is to be conducted with the ambient air at a temperature of 25±5°C
<b>Load capacity</b>	When the fuse loads through 100% of rated current, should blow within 4 hours.
<b>Temperature Test</b>	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.

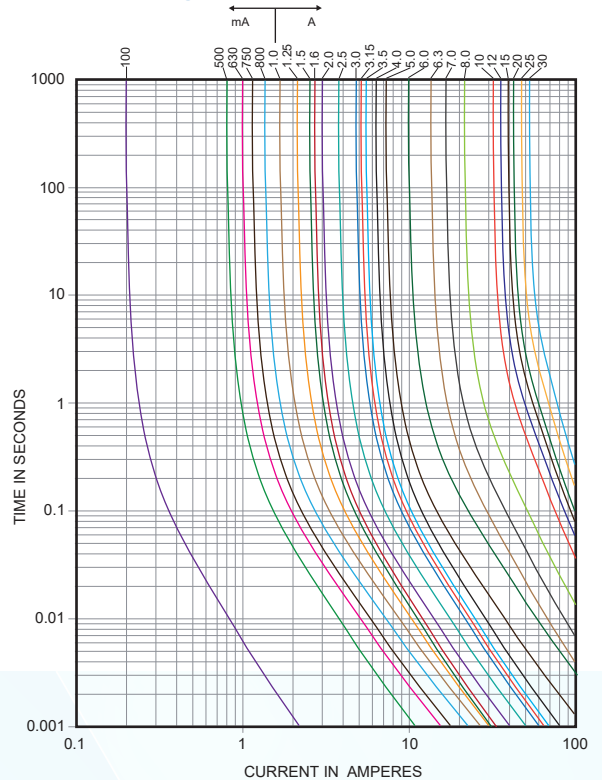
### Environmental Characteristic

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**



**Operating Temperature**

-55°C ~ +125°C

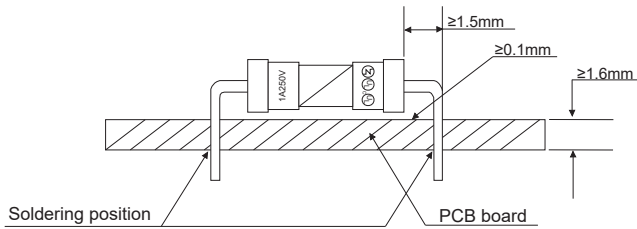
**Stock Condition**

Humidity: Relative humidity ≤ 75% store 3 years in average

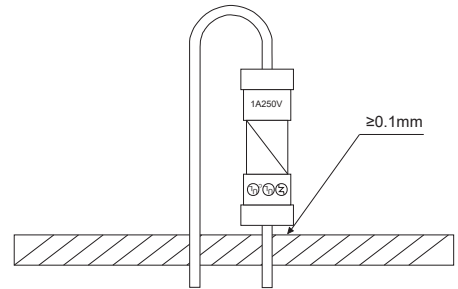
### Installation Recommendations

Propose installation way as following picture:

A.Horizontal installation



B.Vertical installation

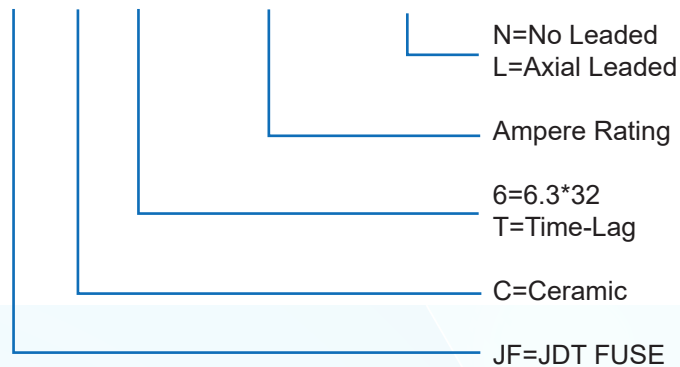


Recommended Soldering Parameters:

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 6T XXXX N/L**



### Packaging

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