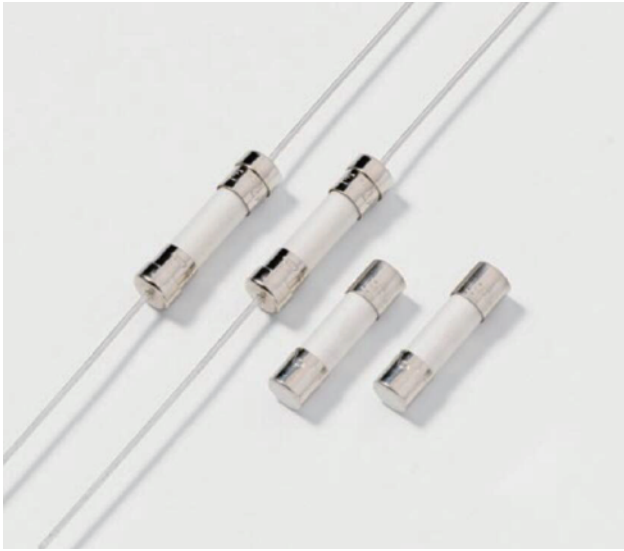


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PRODUCT DATASHEET

CERAMIC TUBE FUSE


**JFC5F CERAMIC TUBE FUSE**



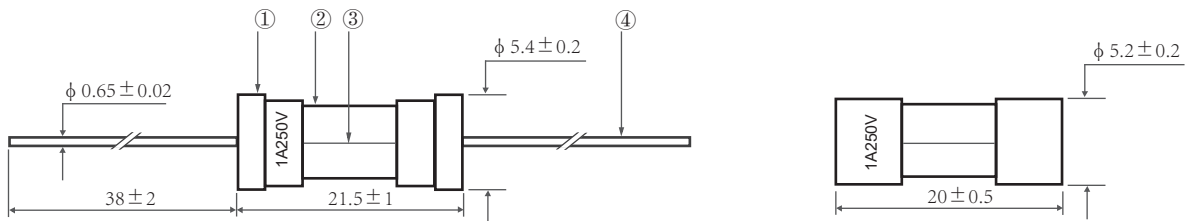
### Description

JFC5F ,Fast Acting 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	Ceramic Tube
③	Fuse element	Alloy
④	Lead	Nickel Plated Brass

### Operating Characteristics

% of Ampere Rating(In)	Blowing Time
100%*In	4 hours Min
135%*In	1 hours Max
200%*In	5 sec Max

**Performance Specification**

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I <sup>2</sup> TMelting Integral(A <sup>2</sup> .S)
JFC5F0100N/L	0.10	250V/125V	10000A@125V AC 35A@250V AC	0.002
JFC5F0125N/L	0.125			0.003
JFC5F0160N/L	0.16			0.005
JFC5F0200N/L	0.20			0.01
JFC5F0250N/L	0.25			0.02
JFC5F0300N/L	0.30			0.04
JFC5F0315N/L	0.315			0.045
JFC5F0350N/L	0.35			0.055
JFC5F0400N/L	0.40			0.07
JFC5F0500N/L	0.50			0.1
JFC5F0630N/L	0.63			0.2
JFC5F0750N/L	0.75			0.35
JFC5F0800N/L	0.80			0.45
JFC5F1100N/L	1.00			0.9
JFC5F1125N/L	1.25			1.3
JFC5F1150N/L	1.50		1.6	
JFC5F1160N/L	1.60		2.5	
JFC5F1200N/L	2.00		5.8	
JFC5F1250N/L	2.50		7.6	
JFC5F1300N/L	3.00		8.1	
JFC5F1315N/L	3.15		11	
JFC5F1350N/L	3.50		19	
JFC5F1400N/L	4.00		28	
JFC5F1500N/L	5.00		40	
JFC5F1600N/L	6.00		50	
JFC5F1630N/L	6.30		64	
JFC5F1700N/L	7.00		107	
JFC5F1800N/L	8.00		133	
JFC5F2100N/L	10.0		242	
JFC5F2125N/L	12.5		290	
JFC5F2150N/L	15.0	368		
JFC5F2160N/L	16.0	388		
JFC5F2200N/L	20.0	442		
JFC5F2250N/L	25.0	568		
JFC5F2300N/L	30.0	1000		
			10000A@125V AC 200A@250V AC	

### 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.

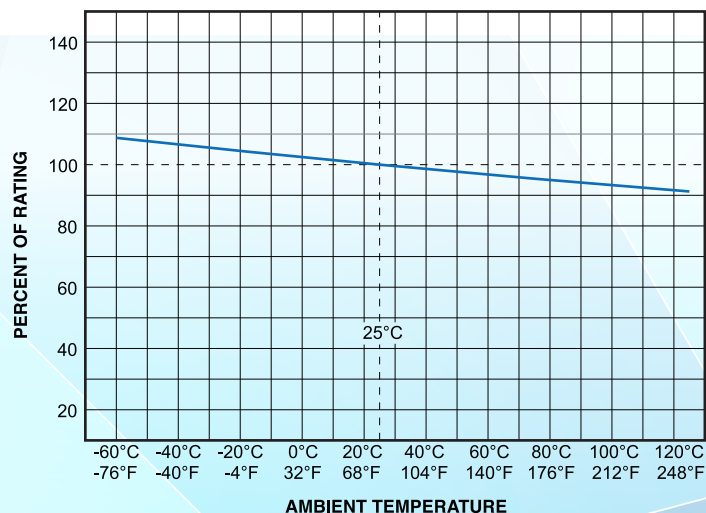
### Electrical Characteristics

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.

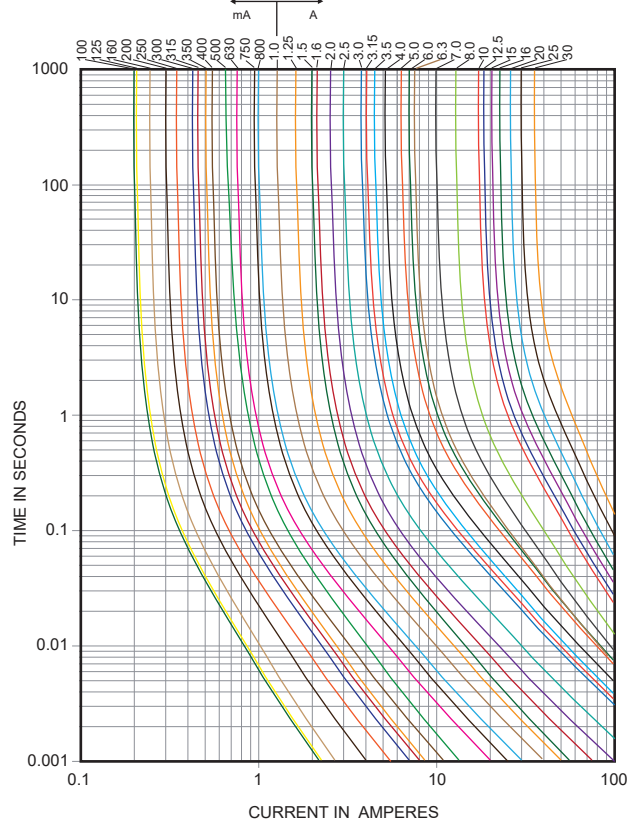
### Environmental Characteristic

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**

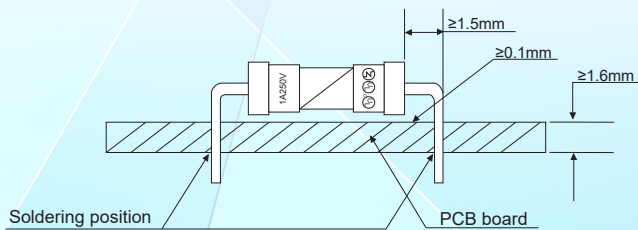


<b>Operating Temperature</b>	-55°C ~ +125°C
<b>Stock Condition</b>	Humidity: Relative humidity ≤ 75% store 3 years in average

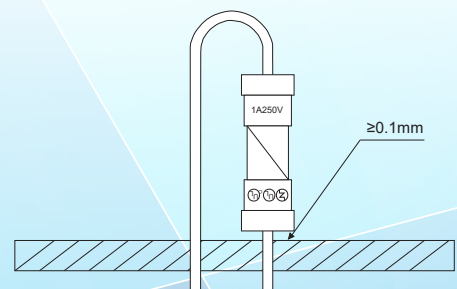
**Installation Recommendations**

Propose installation way as following picture:

A. Horizontal installation



B. Vertical installation

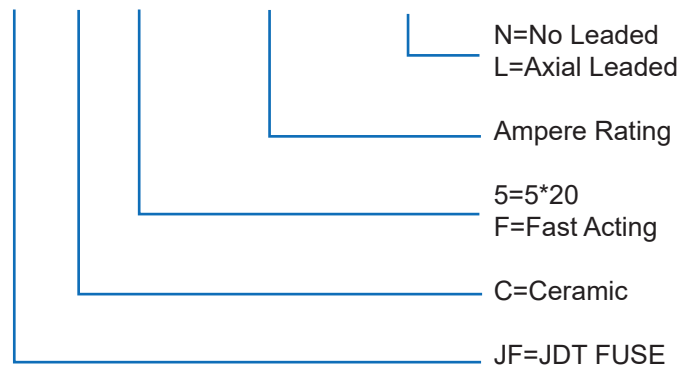


Recommended Soldering Parameters :

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 5F XXXX N/L**



### Packaging

Shape	Packaging & Quantity
No Leded	500 pcs/poly bag
Axial Leded	200 pcs/poly bag