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PRODUCT DATASHEET

CERAMIC TUBE FUSE

JFC6F CERAMIC TUBE FUSE



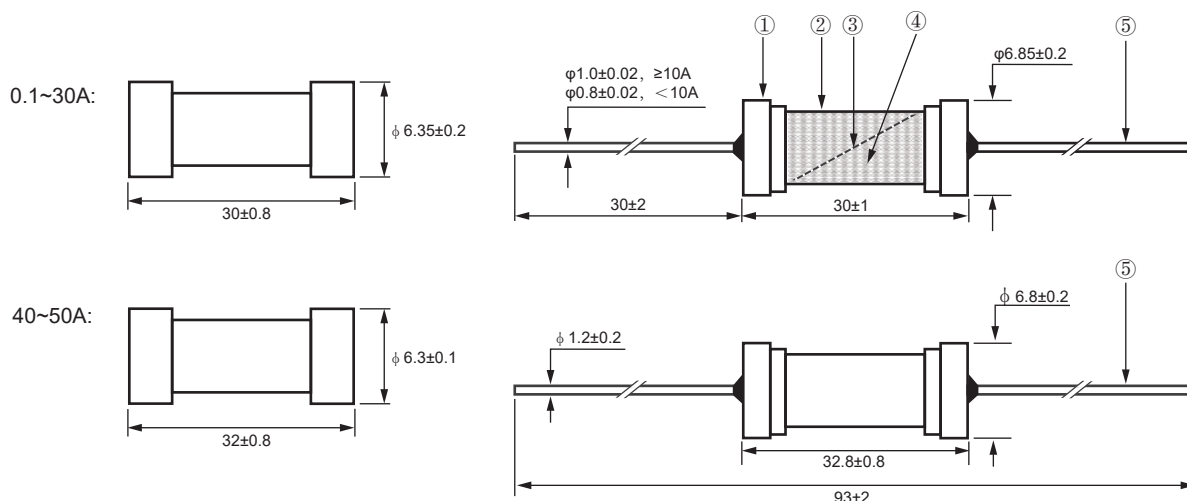
Description

JFC6F ,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;Silver Plated Copper(40~50A)
②	Body	Non-Transparent Ceramic Tube
③	Fuse element	Alloy
④	Filler	Silica
⑤	Lead wire	Tin Plated Copper

Operating Characteristics

Ampere Rating	100%*In	200%*In	250%*In
0.1A~30A	4 hours Min	60 sec Max	~
40A~50A	4 hours Min	~	120 sec Max

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I ² TMelting Integral(A ² .S)
JFC6F0100N/L	0.10	250V	100A@250V	0.11
JFC6F0500N/L	0.50			0.49
JFC6F0630N/L	0.63			0.81
JFC6F0750N/L	0.75			1.10
JFC6F0800N/L	0.80			1.21
JFC6F1100N/L	1.00			1.32
JFC6F1125N/L	1.25			1.44
JFC6F1150N/L	1.50			2.10
JFC6F1160N/L	1.60			4.84
JFC6F1200N/L	2.00			7.29
JFC6F1250N/L	2.50			11.2
JFC6F1300N/L	3.00			24.0
JFC6F1315N/L	3.15			26.1
JFC6F1350N/L	3.50			34.8
JFC6F1400N/L	4.00			49.0
JFC6F1500N/L	5.00			81.0
JFC6F1600N/L	6.00			121
JFC6F1630N/L	6.30			142
JFC6F1800N/L	8.00			219
JFC6F2100N/L	10.0			324
JFC6F2120N/L	12.0		75A@250V	729
JFC6F2150N/L	15.0			1936
JFC6F2200N/L	20.0			3600
JFC6F2250N/L	25.0		1000A@250V	3844
JFC6F2300N/L	30.0			4305
JFC6F2400N/L	40.0			7680
JFC6F2500N/L	50.0			17860

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.

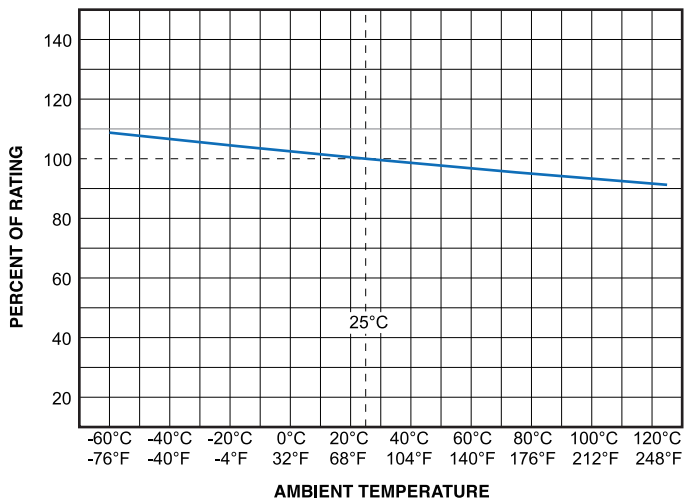
Electrical Characteristics

Test Condition	All electrical test is to be conducted with the ambient air at a temperature of $25 \pm 5^\circ\text{C}$
Load capacity	When the fuse loads through 100% of rated current, should blow within 4 hours.
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.

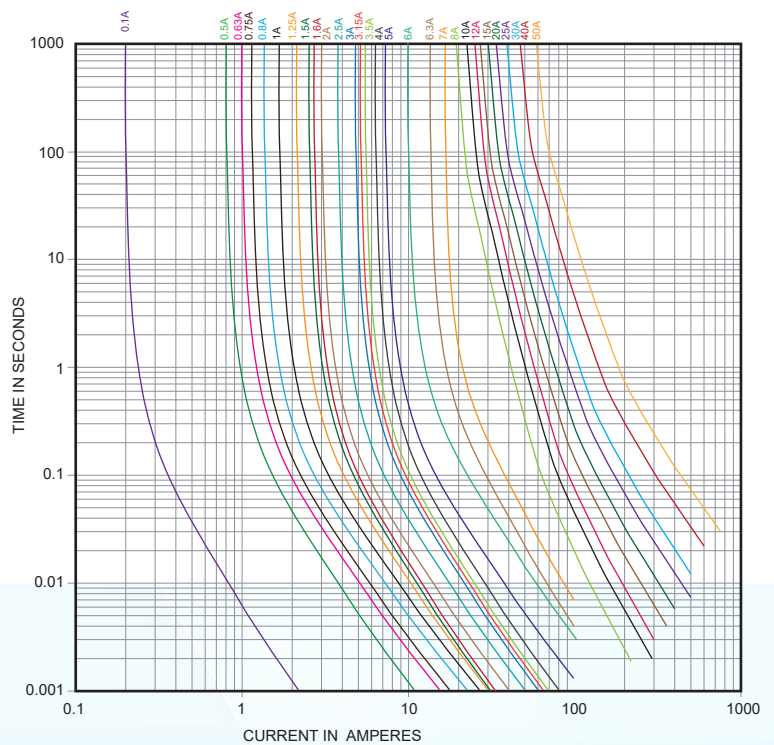
Environmental Characteristic

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from $20 \sim 30^\circ\text{C}$, engineer should consider the environmental temperature's affection to fuses. Please refer: Temperature Rerating Curve:

Temperature Rerating Curve



Average Time-Current Curve



Operating Temperature

$-55^\circ\text{C} \sim +125^\circ\text{C}$

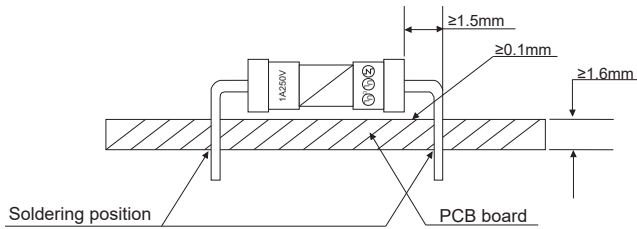
Stock Condition

Humidity: Relative humidity $\leq 75\%$ store 3 years in average

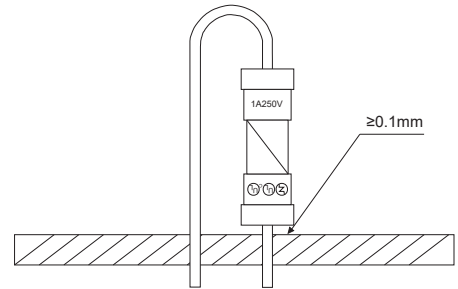
Installation Recommendations

Propose installation way as following picture:

A.Horizontal installation



B.Vertical installation

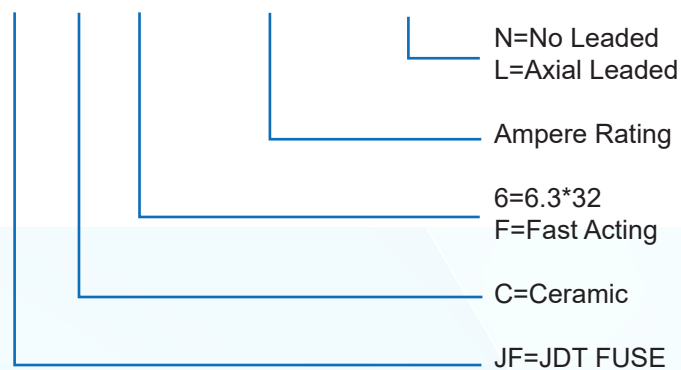


Recommended Soldering Parameters:

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 6F XXXX N/L



Packaging

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