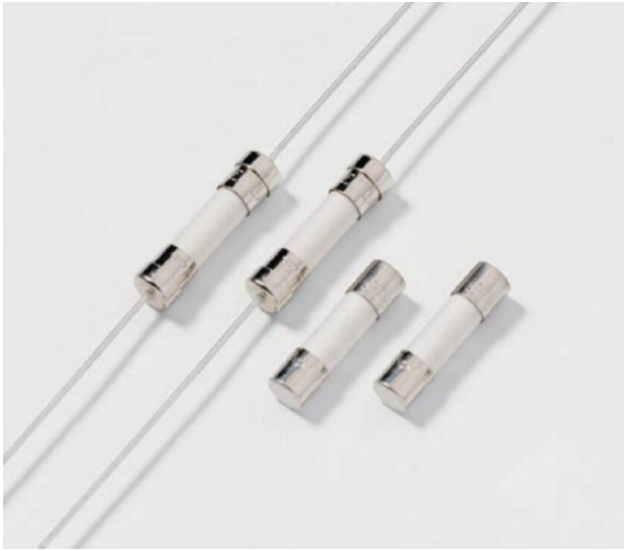


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PRODUCT DATASHEET

CERAMIC TUBE FUSE


JFC3F CERAMIC TUBE FUSE



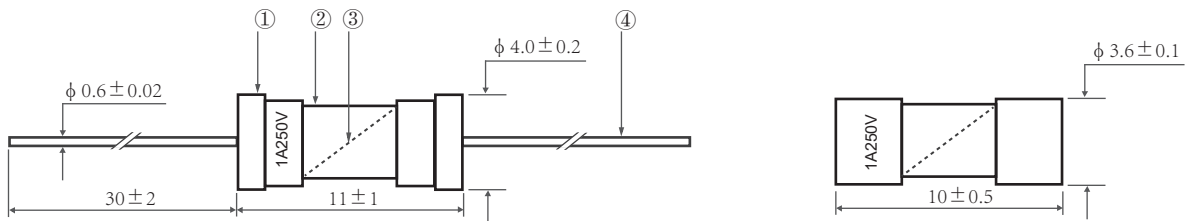
Description

JFC3F ,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	Non-Transparent Ceramic 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

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I ² T Melting Integral(A ² .S)
JFC3F0100N/L	0.10	250/125	50A @125V/250VAC	0.0015
JFC3F0125N/L	0.125			0.0025
JFC3F0160N/L	0.16			0.0042
JFC3F0200N/L	0.20			0.0065
JFC3F0250N/L	0.25			0.010
JFC3F0300N/L	0.30			0.018
JFC3F0315N/L	0.315			0.020
JFC3F0350N/L	0.35			0.025
JFC3F0400N/L	0.40			0.035
JFC3F0500N/L	0.50			0.06
JFC3F0630N/L	0.63			0.15
JFC3F0750N/L	0.75			0.35
JFC3F0800N/L	0.80			0.5
JFC3F1100N/L	1.00			0.6
JFC3F1125N/L	1.25			1.2
JFC3F1150N/L	1.50			1.6
JFC3F1160N/L	1.60			1.8
JFC3F1200N/L	2.00			2.4
JFC3F1250N/L	2.50	3.2		
JFC3F1300N/L	3.00	6.0		
JFC3F1315N/L	3.15	7.0		
JFC3F1350N/L	3.50	7.5		
JFC3F1400N/L	4.00	8.0		
JFC3F1500N/L	5.00	15		
JFC3F1600N/L	6.00	24		
JFC3F1630N/L	6.30	28		
JFC3F1700N/L	7.00	36		
JFC3F1800N/L	8.00	40		
JFC3F2100N/L	10.0	45		
JFC3F2120N/L	12.0	50		
JFC3F2150N/L	15.0	55		

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.

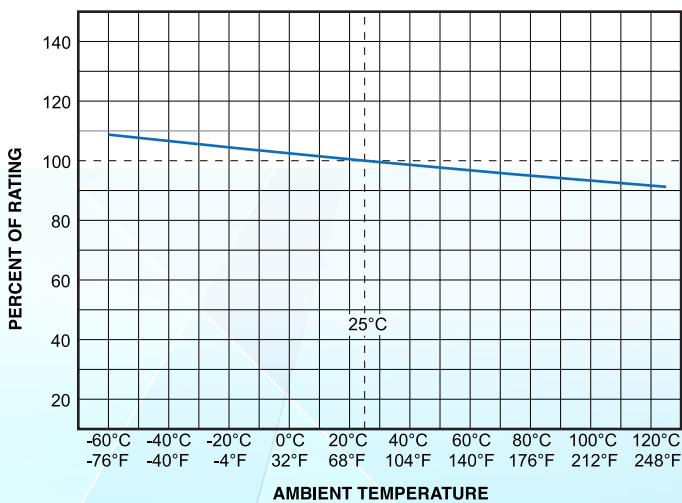
Electrical Characteristics

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.

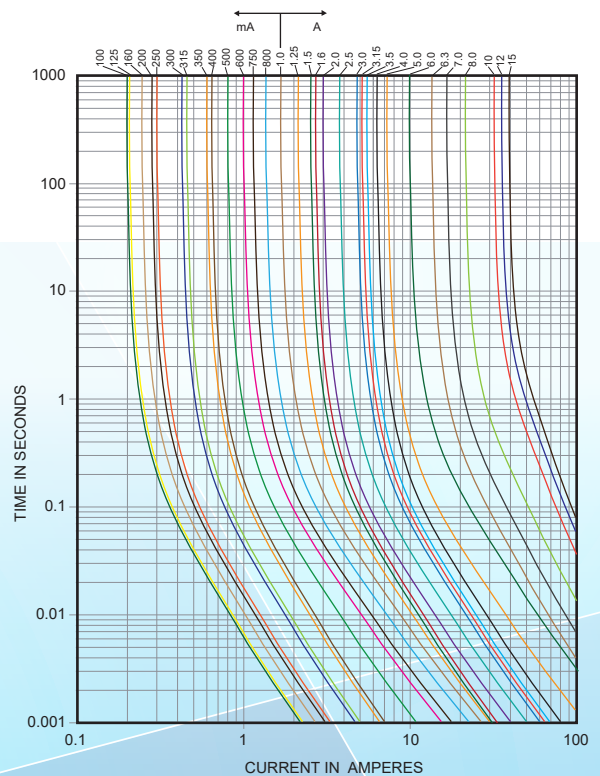
Environmental Characteristic

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

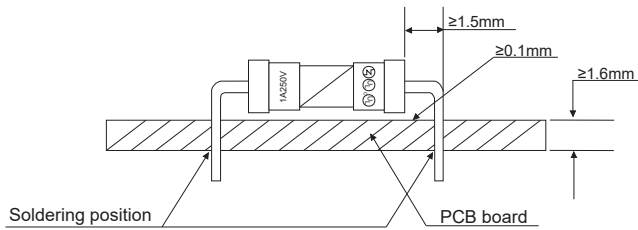


Operating Temperature	-55°C ~ +125°C
Stock Condition	Humidity: Relative humidity ≤ 75% store 3 years in average

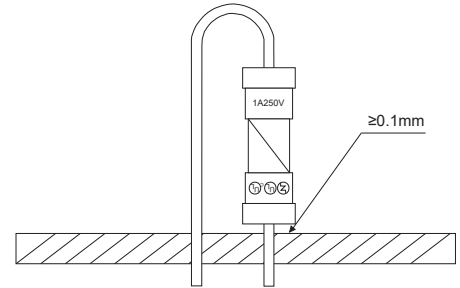
Installation Recommendations

Propose installation way as following picture:

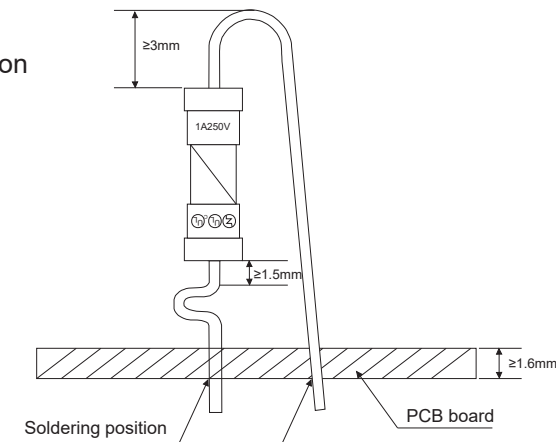
A. Horizontal installation



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

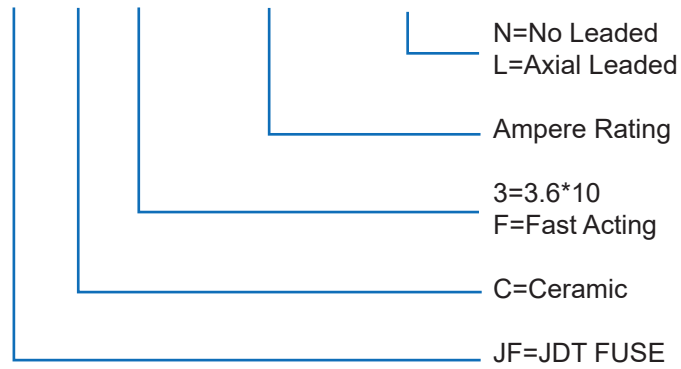
Hand-Solder Parameters

Solder Iron Temperature: 350±5°C

Heating Time: 5s Max

Part Number System

JF C 3F XXXX N/L



Packaging

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