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JDT FUSE
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PRODUCT DATASHEET

CERAMIC TUBE FUSE

JFC5T CERAMIC TUBE FUSE

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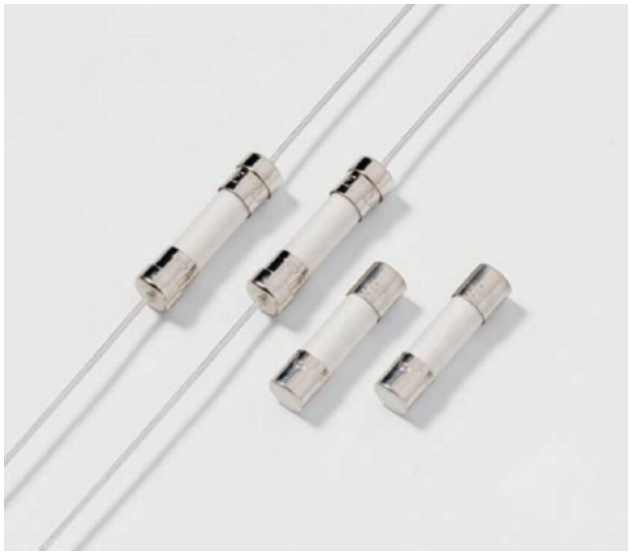


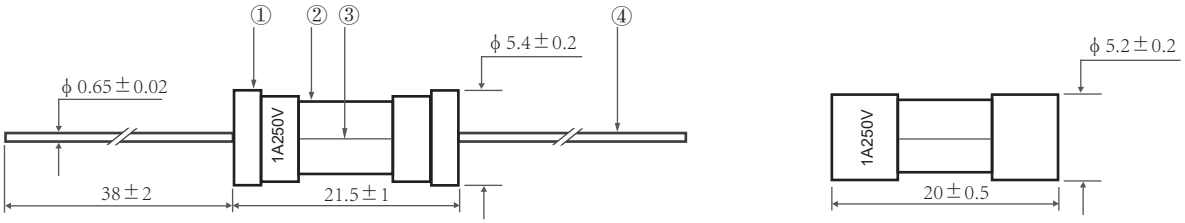
Description

JFC5T 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
c UL us	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	120 sec Max

Performance Specification

Model	Ampere Rating (A)	Voltage Rating (V)	Breaking Capacity	I²TMelting Integral(A².S)
JFC5T0100N/L	0.10	250V/125V	10000A@125V AC 35A@250V AC	0.002
JFC5T0125N/L	0.125			0.003
JFC5T0160N/L	0.16			0.005
JFC5T0200N/L	0.20			0.01
JFC5T0250N/L	0.25			0.02
JFC5T0300N/L	0.30			0.04
JFC5T0315N/L	0.315			0.045
JFC5T0350N/L	0.35			0.055
JFC5T0400N/L	0.40			0.07
JFC5T0500N/L	0.50			0.1
JFC5T0630N/L	0.63			0.2
JFC5T0750N/L	0.75			0.35
JFC5T0800N/L	0.80			0.45
JFC5T1100N/L	1.00			0.9
JFC5T1125N/L	1.25			1.3
JFC5T1150N/L	1.50			1.6
JFC5T1160N/L	1.60		10000A@125V AC 100A@250V AC	2.5
JFC5T1200N/L	2.00			5.8
JFC5T1250N/L	2.50			7.6
JFC5T1300N/L	3.00			8.1
JFC5T1315N/L	3.15			11
JFC5T1350N/L	3.50			19
JFC5T1400N/L	4.00			28
JFC5T1500N/L	5.00			40
JFC5T1600N/L	6.00			50
JFC5T1630N/L	6.30			64
JFC5T1700N/L	7.00		10000A@125V AC 200A@250V AC	107
JFC5T1800N/L	8.00			133
JFC5T2100N/L	10.0			242
JFC5T2125N/L	12.5			295
JFC5T2150N/L	15.0			368
JFC5T2200N/L	20.0			442
JFC5T2250N/L	25.0			568
JFC5T2300N/L	30.0			715

Product Characteristics

Iterm		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.

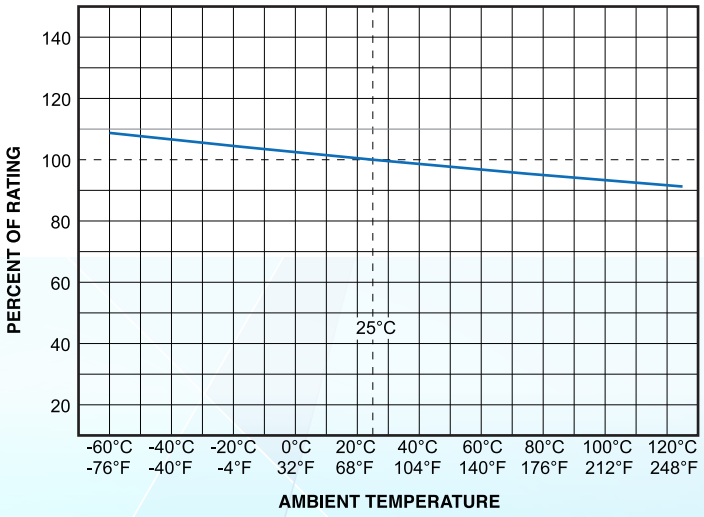
Electrical Characteristics

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.

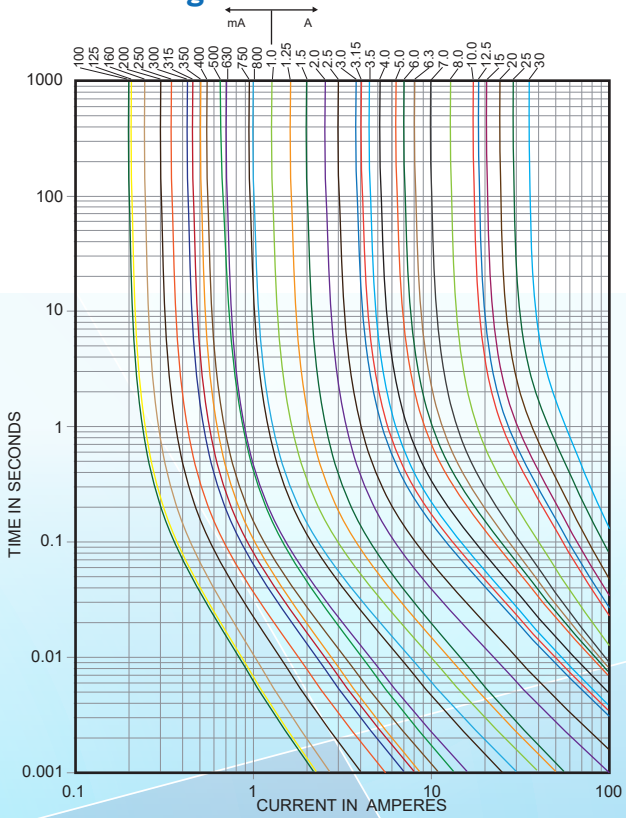
Environmental Characteristic

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

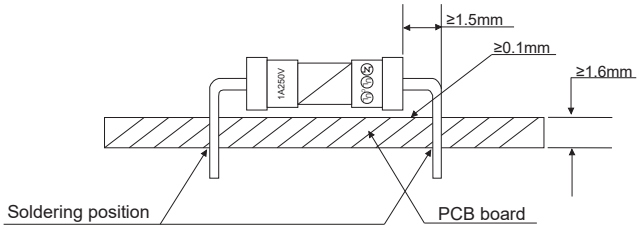


Operating Temperature	-55℃～+125°C
Stock Condition	Humidity：Relative humidity ≤ 75% store 3 years in average

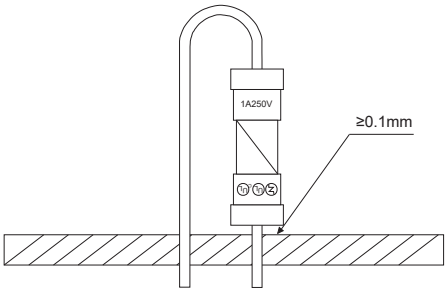
Installation Recommendations

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 Time2~5s
Hand-Solder Parameters	Solder Iron Temperature：350±5°C
	Heating Time：5s Max

Part Number System

JF C 5T XXXX N/L

- N=No Leaded
  L=Axial Leaded
- Ampere Rating
- 5=5*20
  T=Time-lag
- C=Ceramic
- JF=JDT FUSE

Packaging

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