

JFC2410 慢断



Agency Approvals

AGENCY



AGENCY FILE NUMBER

E486200

SCOPE

- Notebook PC
- LCD/PDF TV
- LCD/PDP panel
- LCD monitor
- LCD backlight inverter
- Portable DVE player
- Power supply
- Networking
- PC server
- Cooling fan system
- Storage system
- Telecom system
- Wireless base station
- White goods
- Game console
- Automotive
- Battery charging circuit
- Office Automation
- Industrial equipment
- Medical equipment

PART NUMBERING

JF C xxxx - xxxx T S

S=SMD

T=Time-Lag

F=Fast Acting

四位电流

四位体积

C=Ceramic

T=Thin Film

H=High Temperature Ceramic Series

JF=JDT Fuse

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RATED CURRENT AND RATED VOLTAGE

- Rated Current 10mA—15A
- Rated Voltage 250V AC /12A-15A@125V AC /20A-30A@72V AC

MARKING

The fuses shall have the following marking

- Manufacturing factory mark & logo :
 - Rated Current(A):_mA / _A
 - Electrical characteristics: T
- Note
There is no provision on label size and position

APPEARANCES AND CONFIGURATION

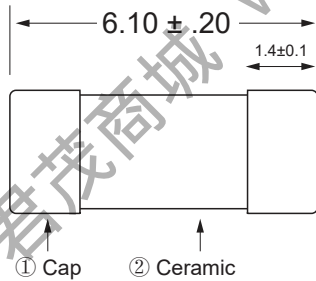
- Appearance : No significant stains, rust or crack, mark should be easy to recognize.
- Shape: Surface Mount Fuse

Performance Specification

Part Number	Rated Current (A)	Max Voltage Rating(V)	Interrupting Rating	Nominal Cold Resistance (ohms)	Nominal Melting I ² t (A ² sec)
JFC2410-0100TS	0.10	250V	50A@250V	3.100	0.00138
JFC2410-0250TS	0.25			0.860	0.145
JFC2410-0500TS	0.50			0.320	0.275
JFC2410-0750TS	0.75			0.175	1.240
JFC2410-1100TS	1.00			0.148	3.500
JFC2410-1150TS	1.50			0.085	6.305
JFC2410-1200TS	2.00			0.044	8.950
JFC2410-1250TS	2.50			0.043	16.025
JFC2410-1300TS	3.00			0.033	21.560
JFC2410-1315TS	3.15			0.029	22.750
JFC2410-1350TS	3.50			0.027	27.050
JFC2410-1400TS	4.00			0.025	31.808
JFC2410-1500TS	5.00			0.019	40.250
JFC2410-1600TS	6.00			0.018	67.245
JFC2410-1630TS	6.30			0.017	107.550
JFC2410-1700TS	7.00			0.015	132.780
JFC2410-1800TS	8.00			0.007	235.180
JFC2410-2100TS	10.0			0.007	270.500
JFC2410-2120TS	12.0	125V	100A@125V	0.007	331.520
JFC2410-2150TS	15.0			0.006	375.660
JFC2410-2200TS	20.0	72V	500A@72V	0.0023	210
JFC2410-2250TS	25.0			0.0017	400
JFC2410-2300TS	30.0			0.0012	900

OUTLINE DRAWING AND STRUCTURE

• Outline Drawing and dimensions (unit : mm)



• Structure

NO.	Component	Material	Quantity
①	Cap	Silver Plated Brass	2
②	Body	Ceramic tube	1

PRODUCT CHARACTERISTICS

No.	Item	Contain	Reference standard
1	Insulation Resistance	10,000 ohms minimum	MIL-STD-202G, Method 302 Test Condition A
2	Solderability	T=235°C±5°C, t=5+0/-0.5s, Cover≥95%	MIL-STD-202G, Method 208H
3	Resistance to Soldering Heat	10 sec at 260°C	MIL-STD-202G, Method 210F Test Condition B
4	Thermal Shock	5 cycles, -65°C to 125°C, 15 minutes @ each extreme	MIL-STD-202G, Method 107G Test Condition B
5	Mechanical Shock	100G's peak for 6 milliseconds, 3 cycles	MIL-STD-202G, Method 213B Test 1
6	Vibration	0.03" amplitude, 10-55 Hz in 1 min. 2hrs each XYZ=6hrs	MIL-STD-202G, Method 201A
7	Moisture Resistance	10 cycles	MIL-STD-202G, Method 106G
8	Salt spray	48hrs	MIL-STD-202G, Method 101E Test Condition B

ELECTRICAL CHARACTERISTICS

• Pre-Arcing Time / Current Characteristics:

Ampere Rating	% of Ampere Rating	Opening Time
10mA – 30A	100%	4 hours, Minimum
	200%	1s Minimum 60s Maximum
	300%	0.2 s Minimum 3s Maximum
	800%	0.02s Minimum 0.1s Maximum

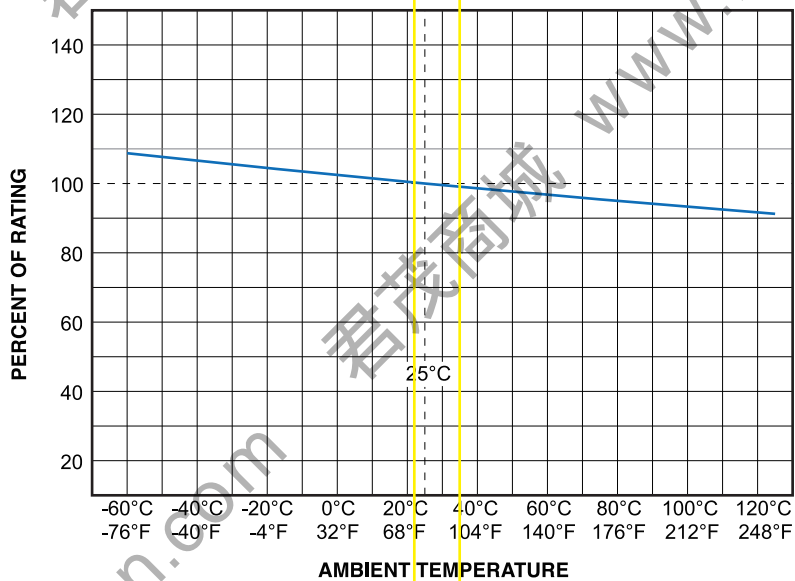
• Breaking Capacity

10mA-15A : 50A@250V AC/100A@125V AC
 20A-30A:500A@72V AC

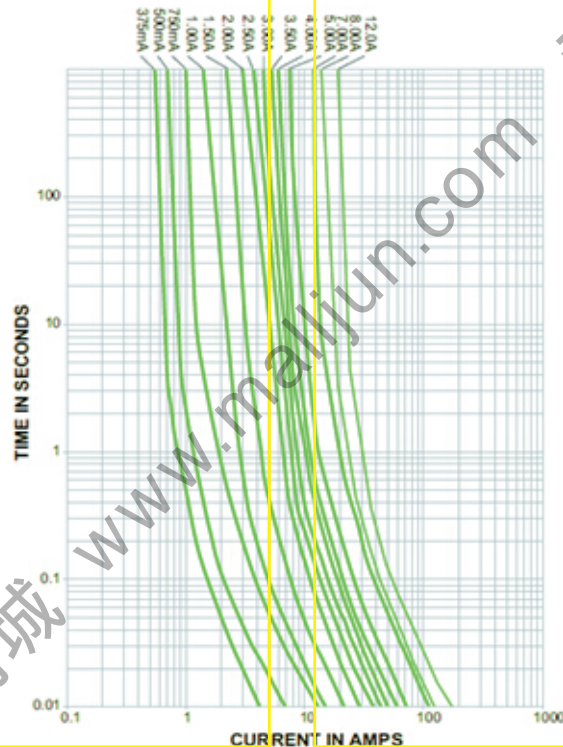
ENVIRONMENTAL CHARACTERISTIC

- Operating temperature range : -55°C to 125°C
- Company operating temperature of the environment more than $25\pm 5^{\circ}\text{C}$, in the selection of fuse specifications, it needs to consider the impact of the operating environment of the temperature fuse. Photo: temperature derating curve.

Temperature Derating Curve

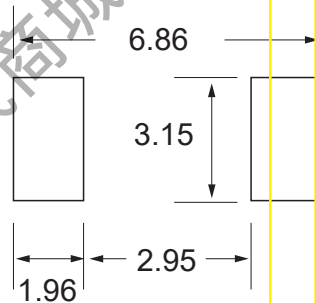


Average Time-Current Curve



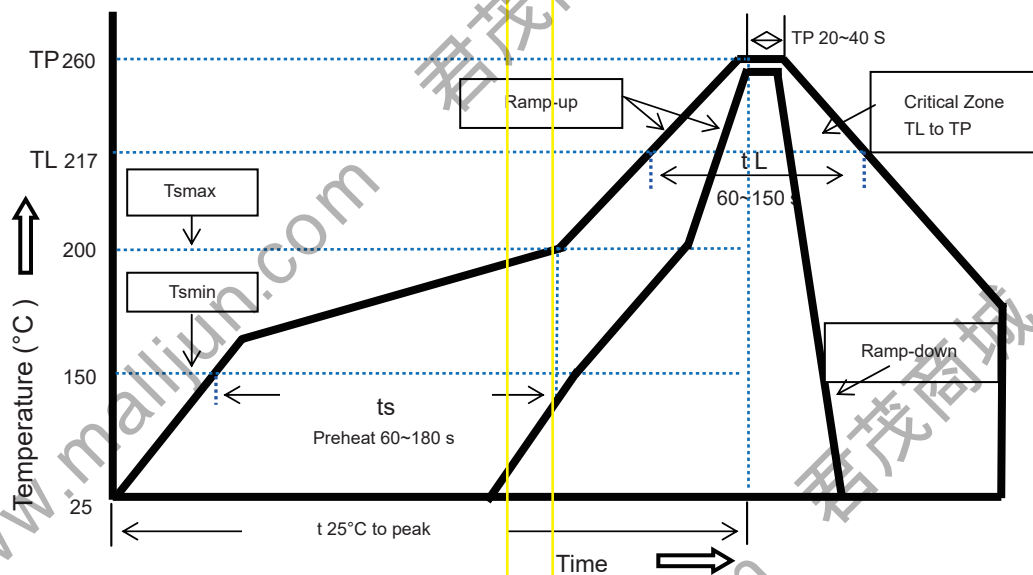
INSTALLATION WAY AND PARAMETERS

- Propose that the following picture installation way is installed and satisfied the required size.



Recommended pad layout

- Recommended Customer Soldering Parameters



Reflow Condition		Pb-Free assembly
Preheating	Temperature Min Ts(min)	150 °C
	Temperature Max Ts(max)	200 °C
	Time Max	120 secs
Soldering	Temperature (TL)(Liquidus)	260 °C
	Time Max (TL)	60 secs
	Temperature (TP)	Max 260 °C
	Time Max (TP)	10 secs

OTHER NOTICE IN USED

- It could be in conformance with another file which made by our company.

PACKING

- Packing Quantity
- 1000 fuses each disc

OTHERS

- If in use beyond the requirements of the specifications, must pass through the mutual confirmation!
- If the specification is not appropriate, must through consultation between the two sides and by the company to modify.