



PRODUCT DATASHEET

Nano Fuse · Surface Mount

RC2410 快断

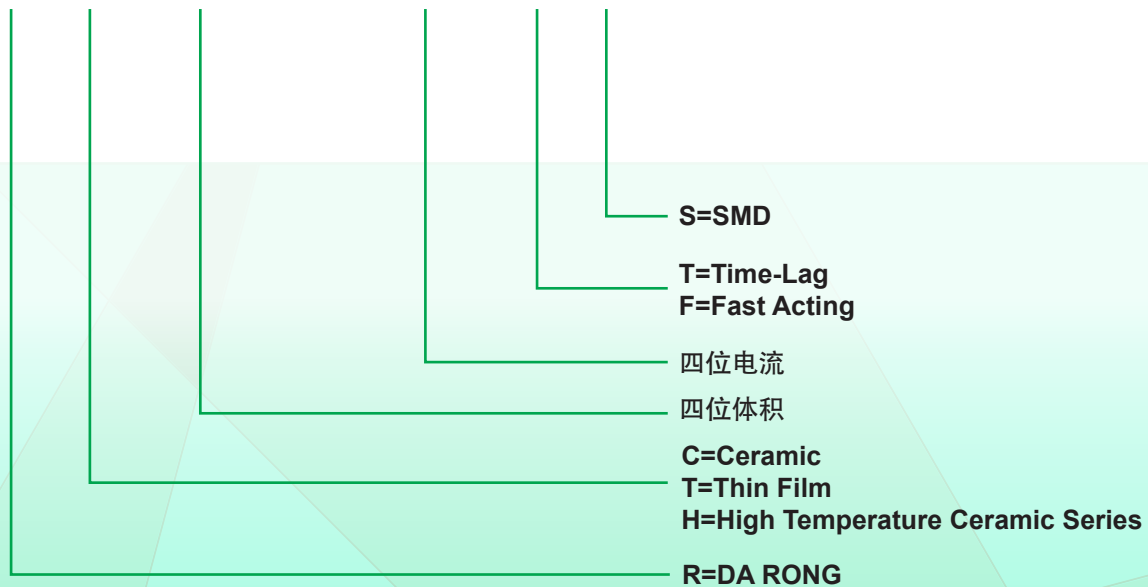


SCOPE

- 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

R C xxxx - xxxx F S



RATED CURRENT AND RATED VOLTAGE

- Rated Current 50mA—10A
- Rated Voltage 250V AC

MARKING

The fuses shall have the following marking

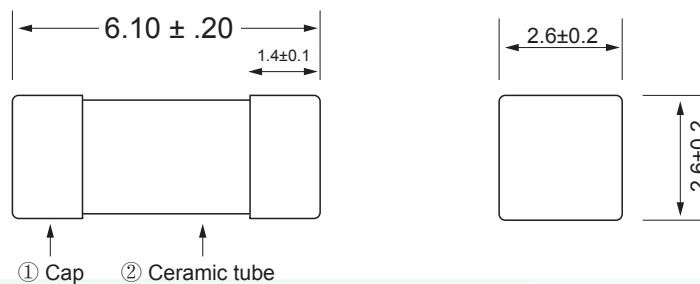
- Manufacturing factory mark & logo :
 - Rated Current(A):_mA / _A
 - Electrical characteristics: F
- Note
There is no provision on label size and position

APPEARANCES AND CONFIGURATION

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

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:

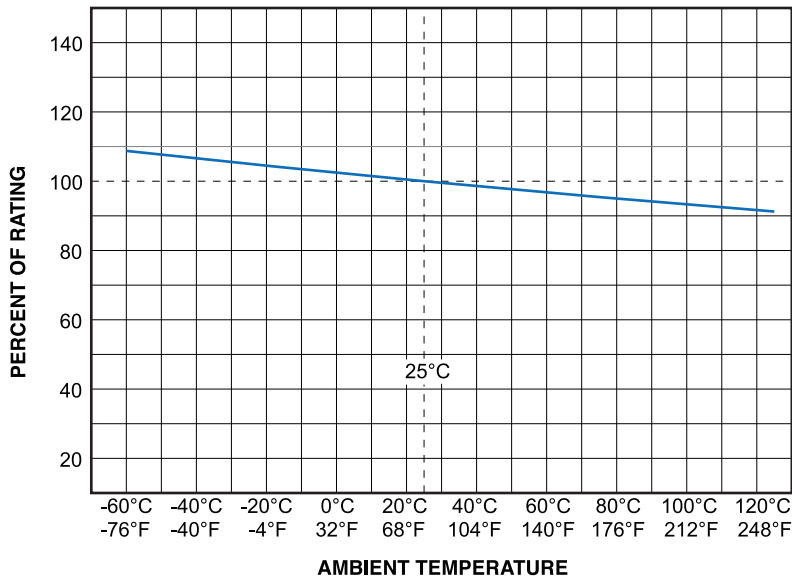
Ampere Rating	% of Ampere Rating	Opening Time
50mA – 10A	100%	4 hours, Minimum
	200%	5 sec, Maximum

- Breaking Capacity
50mA-10A : 50A@250V AC

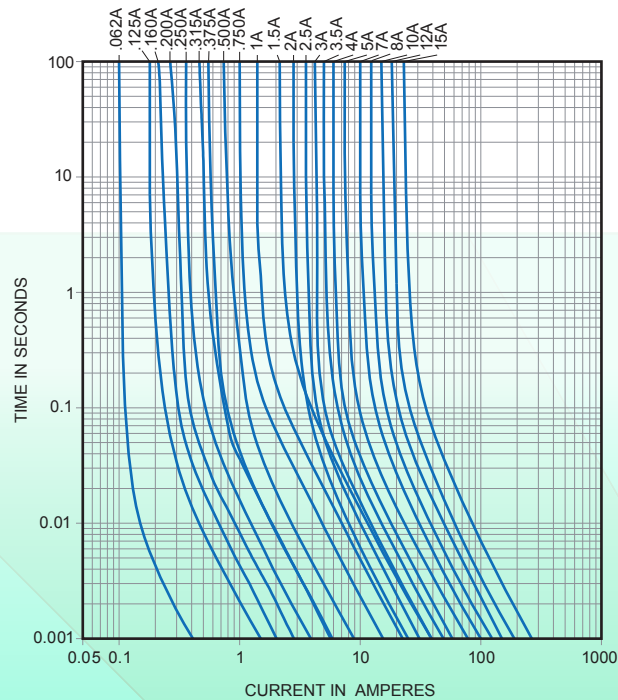
ENVIRONMENTAL CHARACTERISTIC

- 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

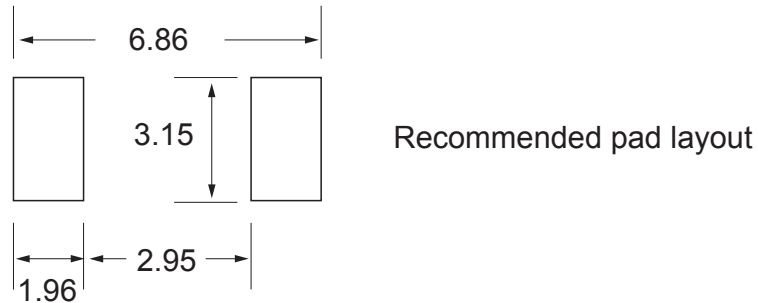


Average Time-Current Curve

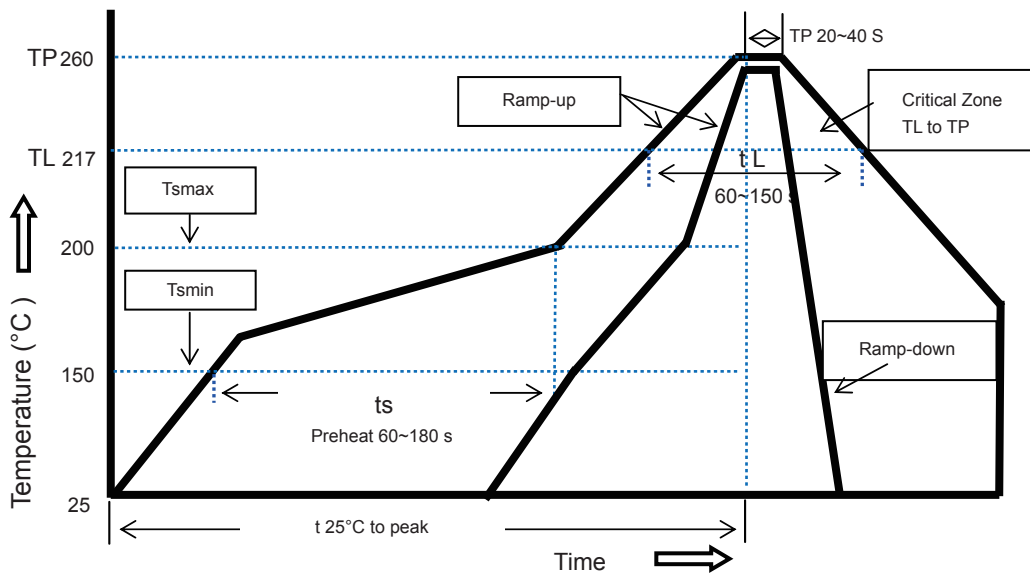


INSTALLATION WAY AND PARAMETERS

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



- Recommended Customer Soldering Parameters



	Reflow Condition	Pb-Free assembly
Preheating	Temperature Min $T_s(min)$	150 °C
	Temperature Max $T_s(max)$	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.