

Application:

- ✧ Consumer Electronics
- ✧ Home appliances
- ✧ Power Supply device
- ✧ Telecommunication System
- ✧ Automotive Device
- ✧ Industrial Equipment
- ✧ Medical Equipment
- ✧ Battery Charging Device

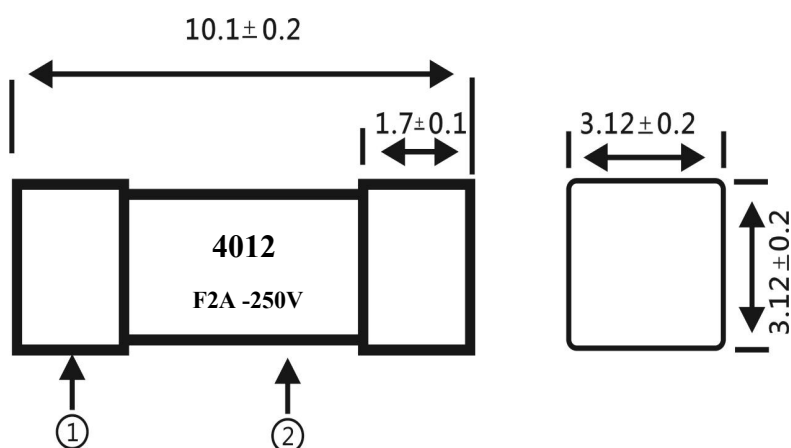


Naming Rule:

F	4012	B	-	xxA
1	2	3		4

1. F-Fast Acting,T-Time Lag
2. Dimensions
3. Rated Voltage
(A-125V B-250V C-380V)
4. Rated Current

Structure:(Unit:mm)



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

Electrical Specifications:

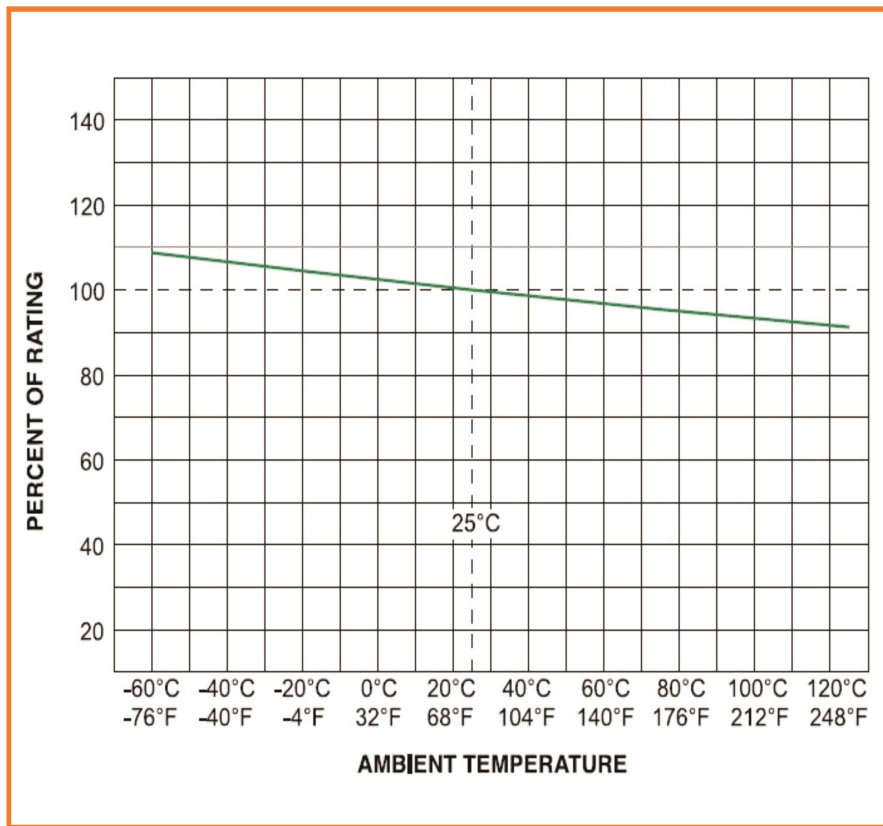
- ✧ Rated Current: 1A-60A
- ✧ Rated Voltage :250V AC
- ✧ Breaking Capacity 1A-60A : 100A@250V AC
- ✧ Operating temperature range : -55℃ to 125℃

Ampere Rating	% of Ampere Rating	Opening Time
1A – 60A	100%	4 hours, Minimum
	200%	60 sec, Maximum
	1000%	1ms Minimum, 10ms Maximum

Product Characteristics:

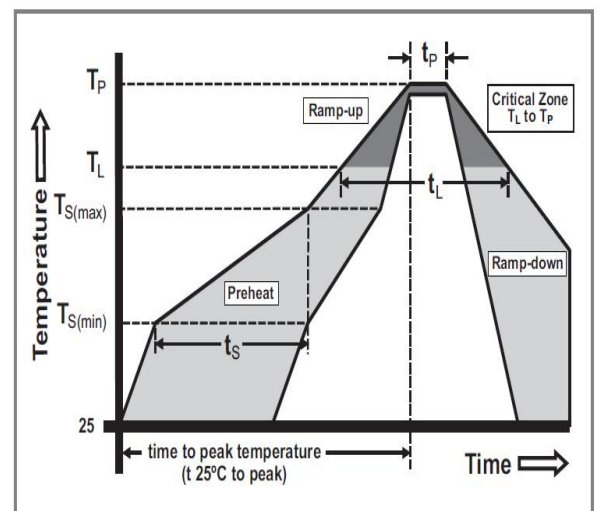
No.	Item	Contents	Reference standard
1	Insulation Resistance	10,000 ohms minimum	MIL-STD-202G, Method 302 Test Condition A
2	Solderability	T=235℃±5℃, t=5+0/-0.5s, Cover ≥ 95%	MIL-STD-202G, Method 208H
3	Resistance to Soldering Heat	10 sec at 260℃	MIL-STD-202G, Method 210F Test Condition B
4	Thermal Shock	5 cycles, -65℃ to 125℃, 15minutes @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

Temperature Derating Curve:

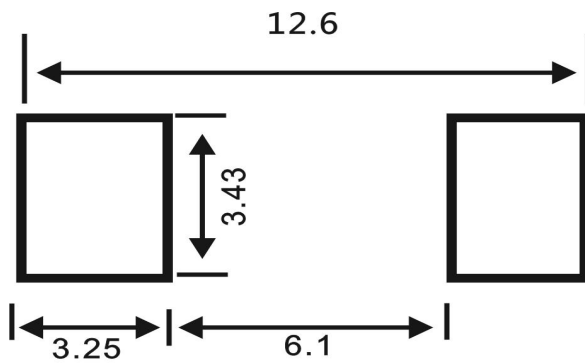


Recommended Customer Soldering Parameters:

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



Recommended Pad Layout:



Appearance and Configuration:

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

Packing Information:

- ✧ MPQ:1000pcs, Tape&Reel

CONTACT INFORMATION

Shanghai Ecube-Tech Electronics Technology Co., Ltd.

上海赫品电子科技有限公司

Email: Marketing@ecube-tech.com

Tel:+86 21 50723288

Fax:400 8892 163 Ext. 324988

Address: No.245, Jinan Road, Huangpu Area, Shanghai, 200021, China

Website: www.ecube-tech.com