

Application:

✧ This product is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Battery Charges, Consumer Electronics, Power supplies, Industrial Controllers, etc.

Naming Rule:

R	T	A	-	xxA
1	2	3		4

1. Polymer Case Round minifuse

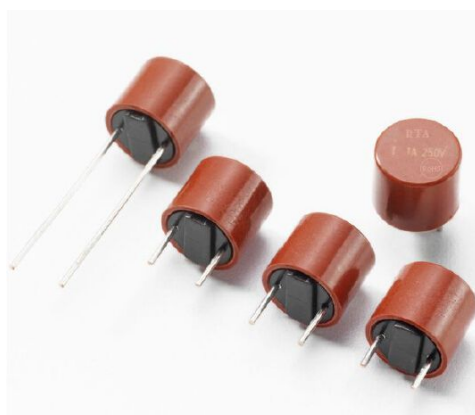
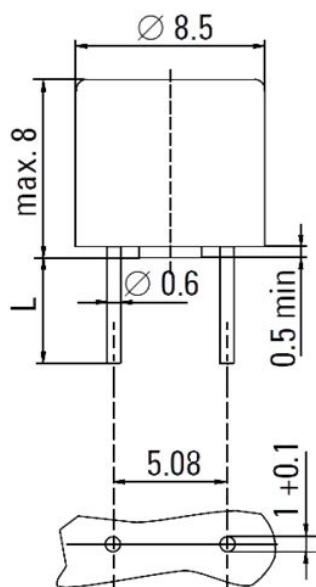
2. Time-lag

3. Rated Voltage (A-250V)

4. Rated Current

(e.g.:0.16A=160mA; 6.3A=6.3A)

Structure:(Unit:mm)



L typ.=18.8mm

NO.	Position	Material
①	Cap	Black or Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0
②	Chip	Black or Brown Thermoplastic Polyamide PA 6.6, UL 94 V-0
③	Fuse Element	Alloy
④	Leads	Copper, Tin-plated

Electrical Specifications:

Part No.	Ampere Rating	Voltage Rating	Max Voltage Drop (mV)	I ² TMelting Integral(A ² .S)
RTA-0.05A	50mA	250V	-	-
RTA-0.10A	100mA	250V	3500	-
RTA-0.125A	125mA	250V	2000	-
RTA-0.16A	160mA	250V	2000	-
RTA-0.20A	200mA	250V	1700	0.04
RTA-0.25A	250mA	250V	1400	0.06
RTA-0.315A	315mA	250V	1300	0.10
RTA-0.40A	400mA	250V	1200	0.20
RTA-0.50A	500mA	250V	1100	0.35
RTA-0.63A	630mA	250V	650	0.50
RTA-0.80A	800mA	250V	240	1.3
RTA-1.00A	1A	250V	200	1.6
RTA-1.25A	1.25A	250V	200	2.4
RTA-1.60A	1.6A	250V	190	4.6
RTA-2.00A	2A	250V	170	7.9
RTA-2.50A	2.5A	250V	170	12
RTA-3.15A	3.15A	250V	150	22
RTA-4.00A	4A	250V	130	29
RTA-5.00A	5A	250V	130	78
RTA-6.30A	6.3A	250V	130	97
RTA-8.00A	8A	250V	100	290
RTA-10.00A	10A	250V	100	430

Operating Characteristics:

% of Ampere Rating(In)	Blowing Time
150%* In	(60 min Minimum)
210%* In	(2 min Max)
275%* In	(400 ms~10 s)
400%* In	(150 ms~3 s)
1000%* In	(20 ms~150 ms)

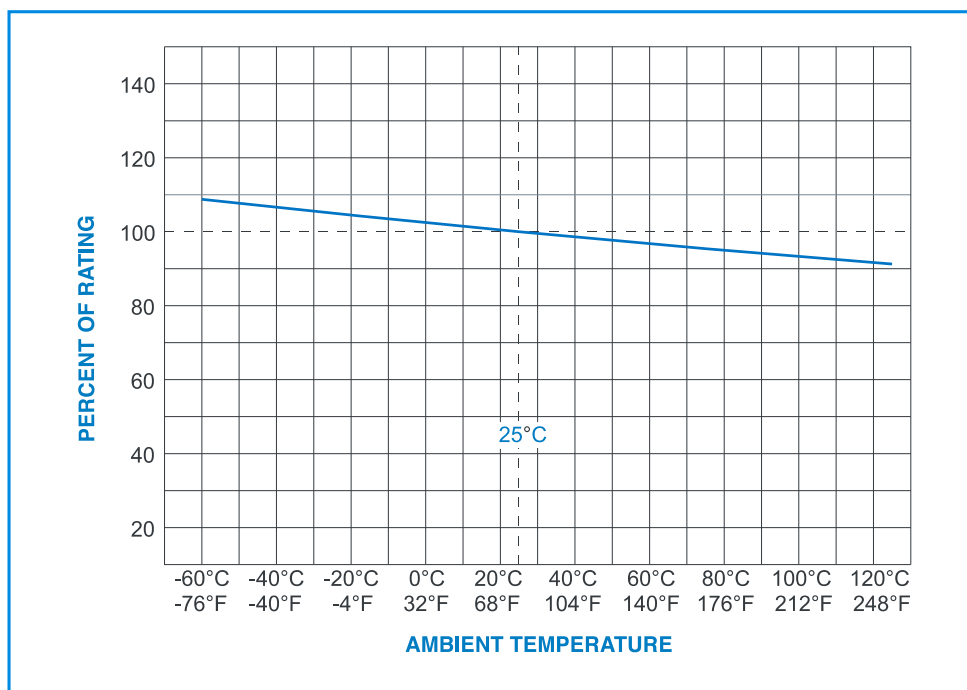
Product Characteristics:

- ✧ **Lead Pull Strength:** 5N for 10 ± 1 Seconds
- ✧ **Lead Thrust Strength:** 2N for 10 ± 1 Seconds
- ✧ **Solder ability:** Wave : 260°C , $\leq 3\text{s}$; Soldering Iron: $350 \pm 10^{\circ}\text{C}$, $\leq 1\text{s}$.
- ✧ **Soldering Heat Resistance:** Wave : 260°C , 10s; Soldering Iron: 350°C , 3s.

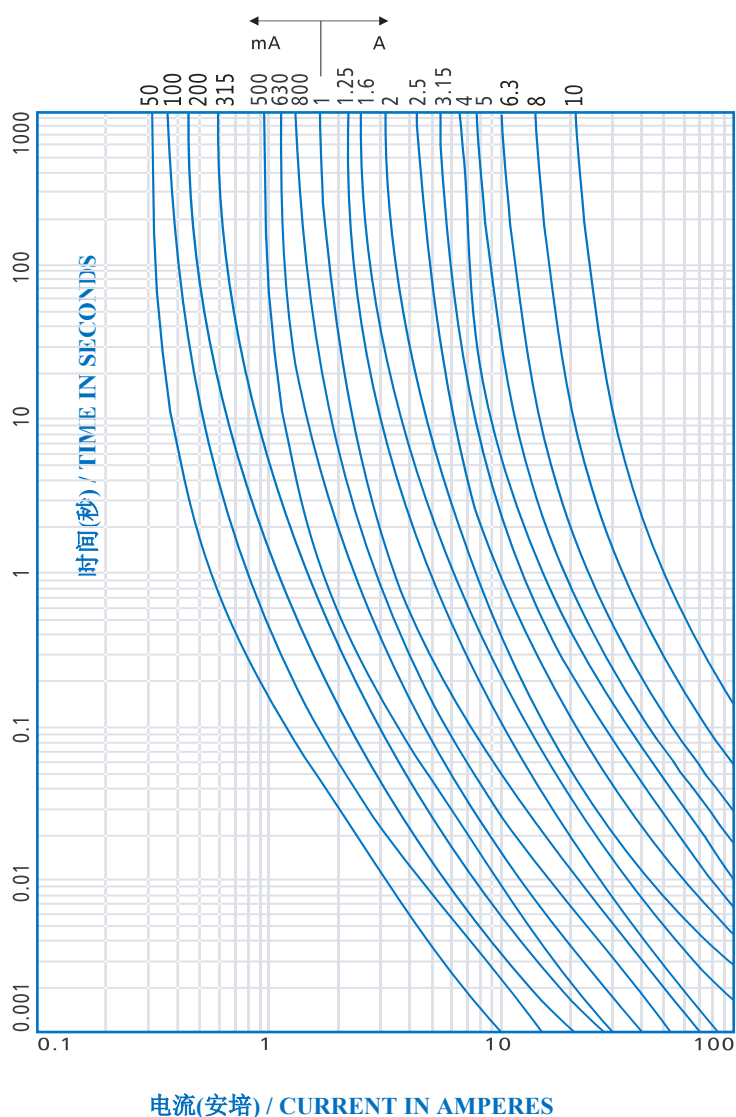
Electrical Characteristics

- ✧ **Test Condition**
All electrical test is to be conducted with the ambient air at a temperature of $25 \pm 5^{\circ}\text{C}$.
- ✧ **Interrupting Rating:**
Breaking Capacity: 35A or 10In whichever is greater at 250V AC.
The insulation resistance value of fuse is greater than $0.1\text{ M}\Omega$ after breaking capacity testing.
- ✧ **Rising Temperature Test:**
Under the ambient temperature of $25 \pm 5^{\circ}\text{C}$, through 1.5 times the rated current for 15 minutes, then every 15 minutes, add an increase of 0.1 times the rated current. When operates, the temperature rise in any part of fuse should not exceed 135°C .

Temperature Derating Curve:



Average Time Current Curves



CONTACT INFORMATION

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