

Application:

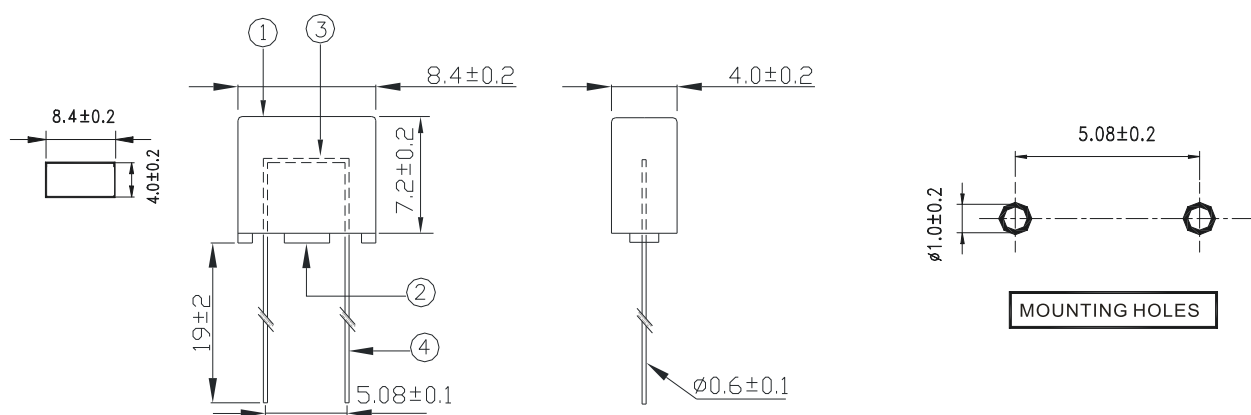
- ✧ This product is suitable for various kinds of electronic devices' circuit over current protection. Widely used in industrial of Battery Charges, Consumer Electronics, Power supplies, Industrial Controllers, etc.

Naming Rule:

P	T	B	-	xxA
1	2	3		4

1. Polymer Case Microfuse
2. Time-lag
3. Rated Voltage (B-350V)
4. Rated Current
(e.g.:R16A=0.16A; 2R0A=2.0A)

Structure:(Unit:mm)



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)
PTB-R05A	50mA	350V	-	-
PTB-R10A	100mA	350V	3500	-
PTB-R12A	125mA	350V	2000	-
PTB-R16A	160mA	350V	2000	-
PTB-R20A	200mA	350V	1700	0.04
PTB-R25A	250mA	350V	1400	0.06
PTB-R31A	315mA	350V	1300	0.10
PTB-R40A	400mA	350V	1200	0.20
PTB-R50A	500mA	350V	1100	0.35
PTB-R63A	630mA	350V	650	0.50
PTB-R80A	800mA	350V	240	1.3
PTB-1R0A	1A	350V	200	1.6
PTB-1R2A	1.25A	350V	200	2.4
PTB-1R6A	1.6A	350V	190	4.6
PTB-2R0A	2A	350V	170	7.9
PTB-2R5A	2.5A	350V	170	12
PTB-3R1A	3.15A	350V	150	22
PTB-4R0A	4A	350V	130	29
PTB-5R0A	5A	350V	130	78
PTB-6R3A	6.3A	350V	130	97
PTB-8R0A	8A	350V	100	290
PTB-10R0A	10A	350V	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)

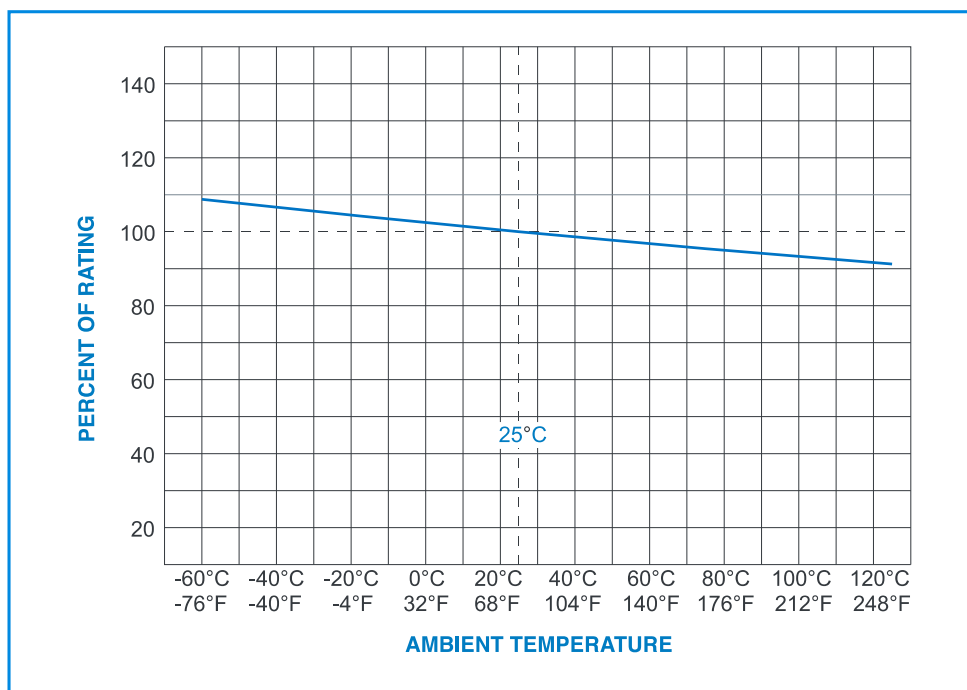
Product Characteristics:

- ✧ **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.

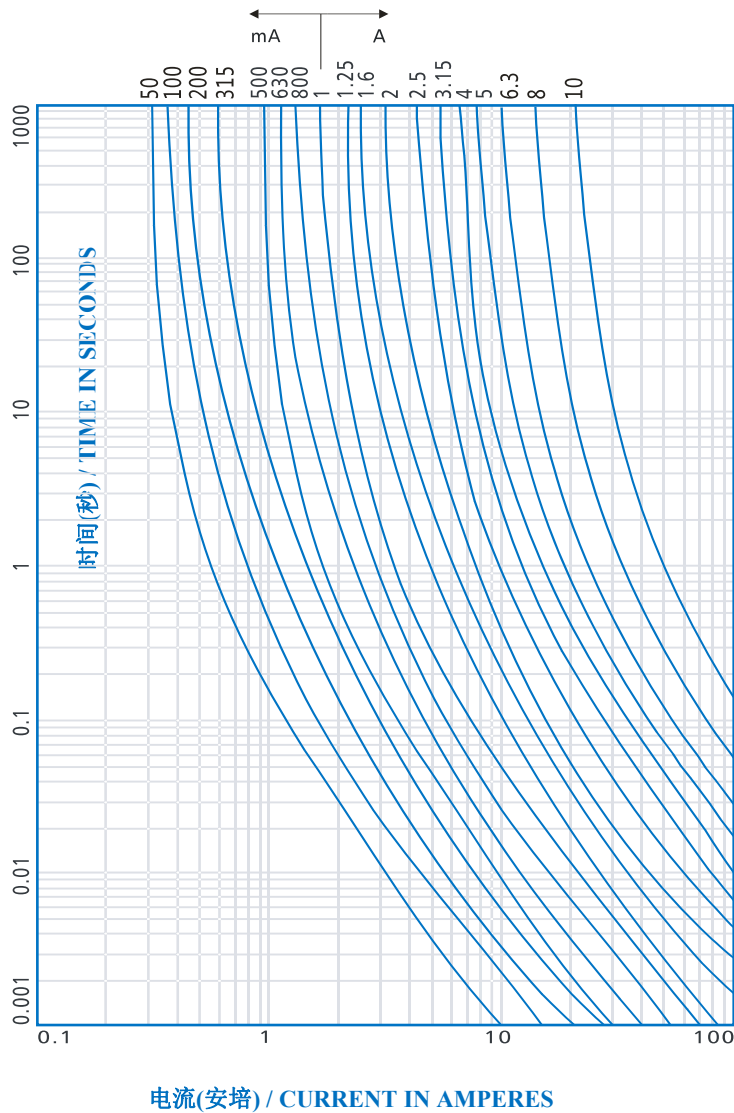
Electrical Characteristics

- ✧ **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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