Application:

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

Features:

- ✧ Ceramic & Glass Material Structure
- ✧ Rapid interruption of Over-Current
- ✧ Support Reflow and Wave Soldering
- ✧ One time Positive disconnect
- ✧ RoHS Compliant

Naming Rule:

T	1206	A	-	xxA
1	2	3		4

1. F-Fast Acting,T-Time Lag
2. Dimensions
3. Rated Voltage
   (A-24V B-32V C-63V D-72V)
4. Rated Current

Structure:(Unit:mm)

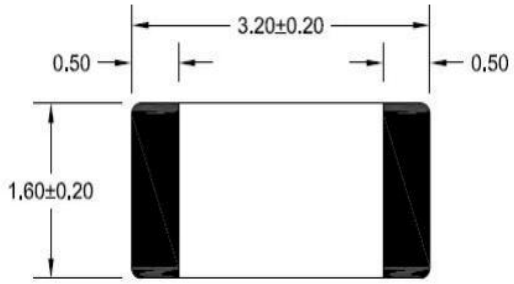


Fig1.1 Top View

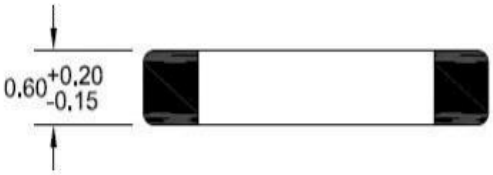
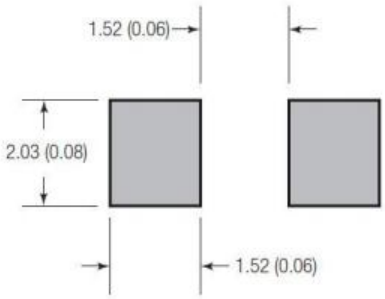


Fig1.2 Side View



Recommended land pattern

Ordering Information:※=A:24V / B:32V / C:63V/ D:72V

Part No .	Rated Voltage DC	Rated Current (A)	Breaking Capacity (A) [1]	Typical Cold Resistance (mOhms) [2]	Typical Voltage Drop (mV)	Typical Pre-Arcing I2t (A2Sec) [3]	Alpha Mark
T1206※-0 . 63A	72V 32V 63V 24V	0 . 63	50A	1080	950	0 . 009	B
T1206※-0 . 75A		0 . 75	50A	850	900	0 . 01	0 . 75
T1206※-1A		1	50A	480	510	0 . 11	H
T1206※-1 . 25A		1 . 25	50A	330	500	0 . 15	H
T1206※-1 . 5A		1 . 5	50A	230	367	0 . 17	K
T1206※-1 . 75A		1 . 75	50A	180	450	0 . 20	E
T1206※-2A		2	50A	135	316	0 .41	N
T1206※-2 . 5A		2 . 5	50A	75	240	0 . 68	O
T1206※-3A		3	50A	47	187	1 . 5	P
T1206※-3 . 5A		3 . 5	50A	38	180	2	R
T1206※-4A		4	50A	34	173	2 . 5	S
T1206※-4 . 5A		4 . 5	50A@32Vdc 300A@24Vdc	29	164	2 . 65	X
T1206※-5A		5	50A@32Vdc 300A@24Vdc	24	145	4	T
T1206※-6A		6	50A@32Vdc 300A@24Vdc	16	140	12	F
T1206※-7A		7	50A@32Vdc 300A@24Vdc	12 . 3	130	14	7
T1206※-8A		8	300A@24Vdc 150A@32Vdc	8 . 3	123	16	M
T1206※-10A		10	300A@24Vdc 150A@32Vdc	6 . 5	110	22	U
T1206※-12A		12	300A@24Vdc 150A@32Vdc	5	85	11 . 5	12
T1206※-15A		15	300A@24Vdc 150A@32Vdc	3 . 7	78	16 . 5	15

T1206※-20A		20	300A@24Vdc 150A@32Vdc	2 .4	80	50	Q
T1206※-25A		25	300A@24Vdc 150A@32Vdc	1 . 6	90	60	L
T1206※-30A		30	300A@24Vdc 150A@32Vdc	1 . 3	90	100	Z

1． DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, batterysource)

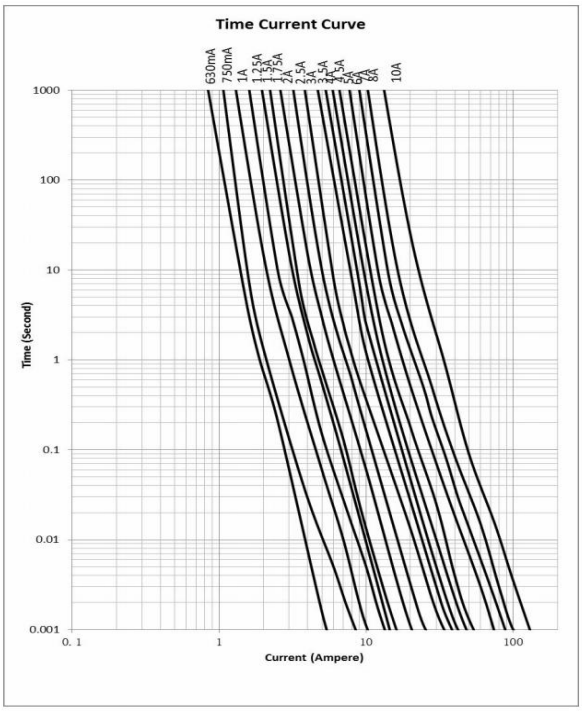
2． DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25℃

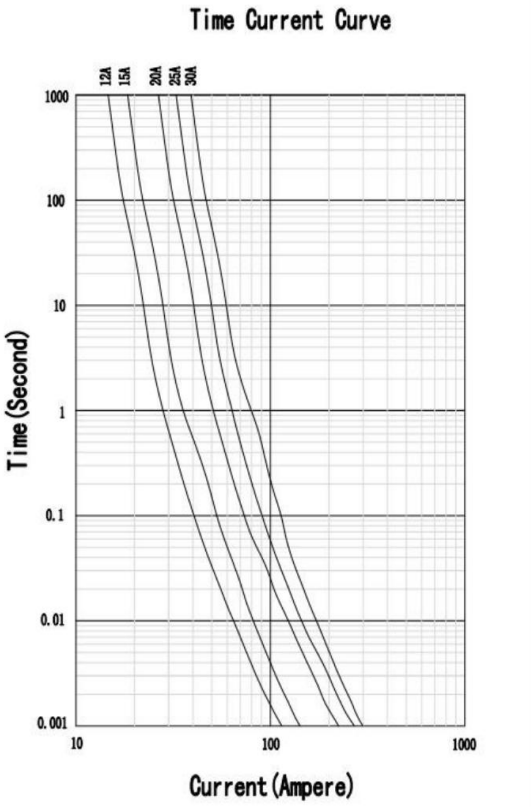
3． Typical Pre-arcing I^2t are measured at 10In Current Choice fuse for surge application (USB charger etc.), make sure the I^2t of fuse is 4 times than surge.

Electrical Specifications:

Rated Current	1.0In	2.0In	2.5In	3.0In	3.5In	10.0In
0 63A~3A	4 hour min	1sec – 60sec	5 sec max	0 1sec – 3sec		0 2ms – 20ms
3 5~5A	4 hour min		5 sec max	0 1sec – 3sec		0 2ms – 20ms
6A~30A	4 hour min		-	-	5 sec max.	0 2ms – 10ms

Time current Curve:

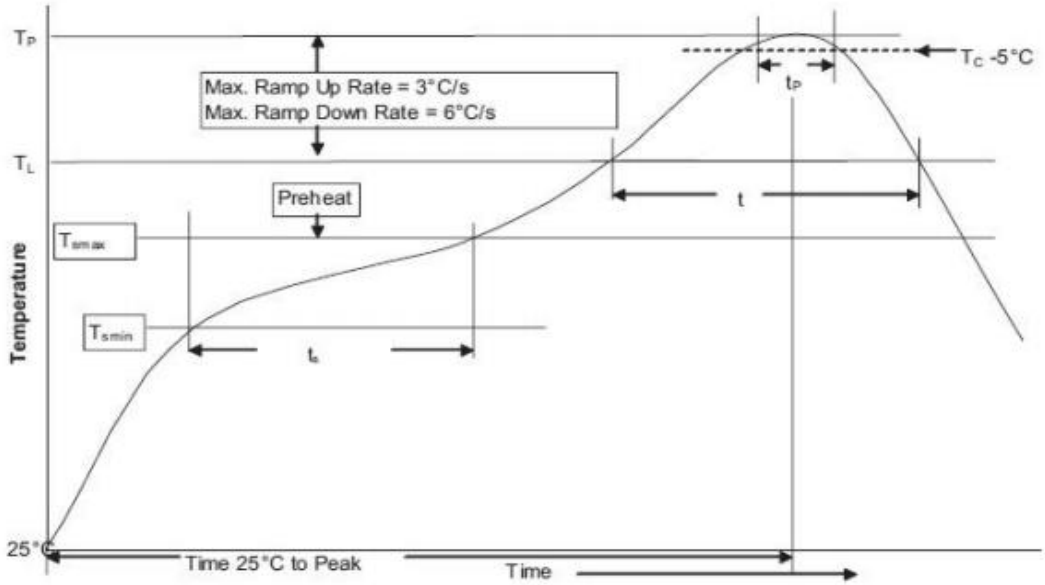




Soldering method

- Wave solder
  - Reservoir temperature: 260℃
  - Time in reservoir: 10 seconds maximum
- Infrared reflow
  - Temperature: 260℃
  - Time: 30 seconds maximum

Solder reflow profile



Profile Feature		Lead(Pb) free solder
Preheat and soak	• Temperature min.(T_{smin})	150℃
	• Temperature max. (T_{smax})	200℃
	• Time (T_{smin} to T_{smax}) (ts)	60 120 Seconds
Average ramp up rate T_{smax} to T_P		3℃ / Second Max.
Liquidous temperature (T_L) Time at liquidous (t_L)		217℃ 60 150 Seconds
Peak package body temperature (T_P)		260℃
Time (t_P) within 5℃ of the specified classification temperature (T_C)		30 Seconds
Average ramp-down rate (T_P to T_{smax})		6℃ / Second Max.
Time (25℃ to Peak Temperature)		8 Minutes Max.

Packing Information:

3000 fuses on 8mm tape-and-reel on a 7 inch (178mm) reel per EIA Standard 481 .

CONTACT INFORMATION

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