

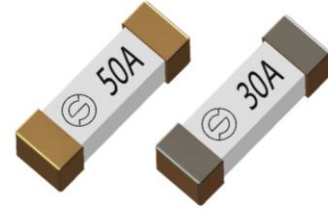
Type 1032HA

High Current Brick Fuses



Description

- »High Current Brick Fuses
- »Surface mount deign to save space
- »Ceramic square body with end cap
- »Designed to UL 248-1/UL 248-14
- »Fully compatible with lead-free solder and high temperature profile



Electrical Characteristics For Series

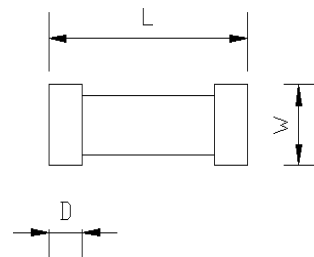
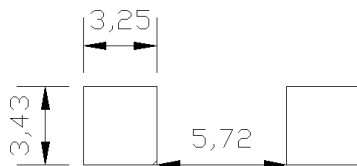
Rating Current	100% of Ampere Rating	200% of Ampere Rating
10A~60A	4 Hour, Min.	60Sec. Max.

Electrical Characteristic Specifications by Item

Part No	Rated Voltage AC	Rated Voltage DC	Rated Current (A)	Breaking Capacity(A)ac 1	Breaking Capacity(A)dc 2	Melting Integral 10In Typical(A ² S)	Typical DC Cold resistance (mΩ)**	Alpha Mark
1032HA2100	250V AC 125V AC	125V DC 80V DC	10A	300A@250V AC 300A@125V AC	300A@125V DC 600A@80V DC	20	10.2	⊕10A
1032HA2150			15A			144	5.15	⊕15A
1032HA2200			20A			25.96	2.96	⊕20A
1032HA2250			25A			64.25	2.56	⊕25A
1032HA2300			30A			97.47	1.85	⊕30A
1032HA2400			40A			111.36	1.53	⊕40A
1032HA2500			50A			234.00	1.34	⊕50A
1032HA2600			60A			389.88	0.95	⊕60A

* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 degrees

Dimension



Current	L (mm)	D(mm)	W(mm)
10A~15A	10.25±0.2	2.2±0.2	3.15±0.3
20A~60A	10.00±0.3	1.7±0.2	3.15±0.2

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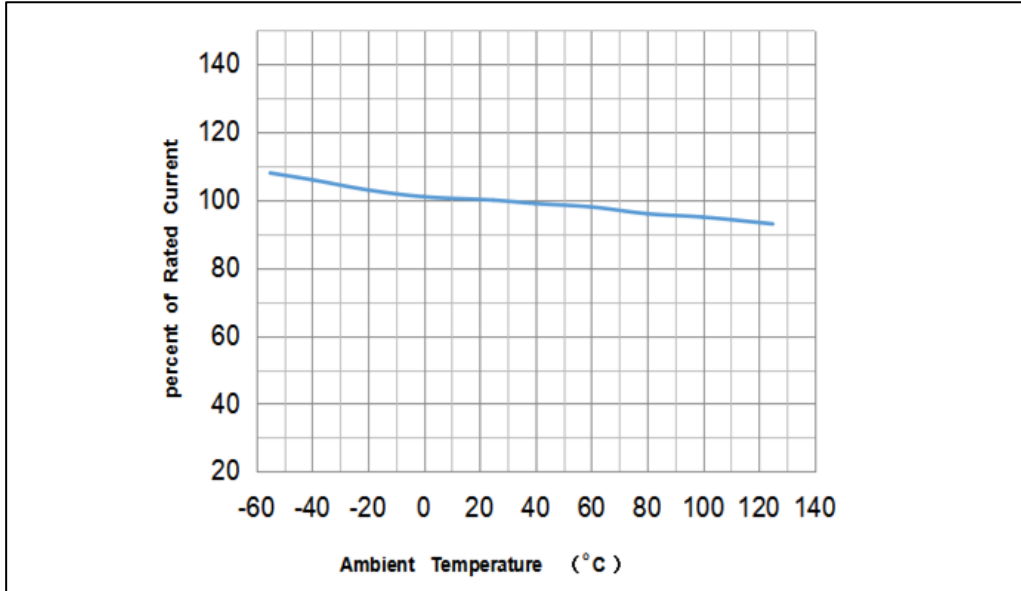
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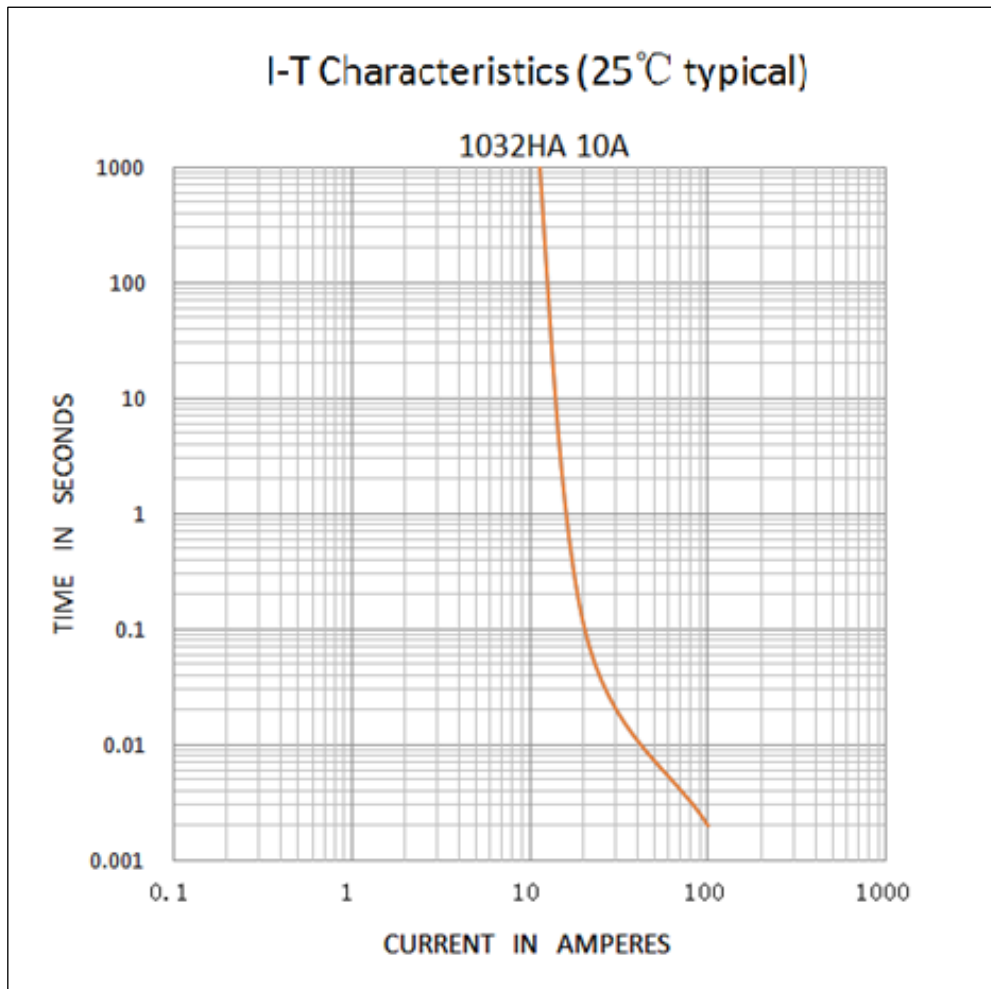
Temperature Re-rating Curve

* Normal ambient temperature: 23+/-3°C

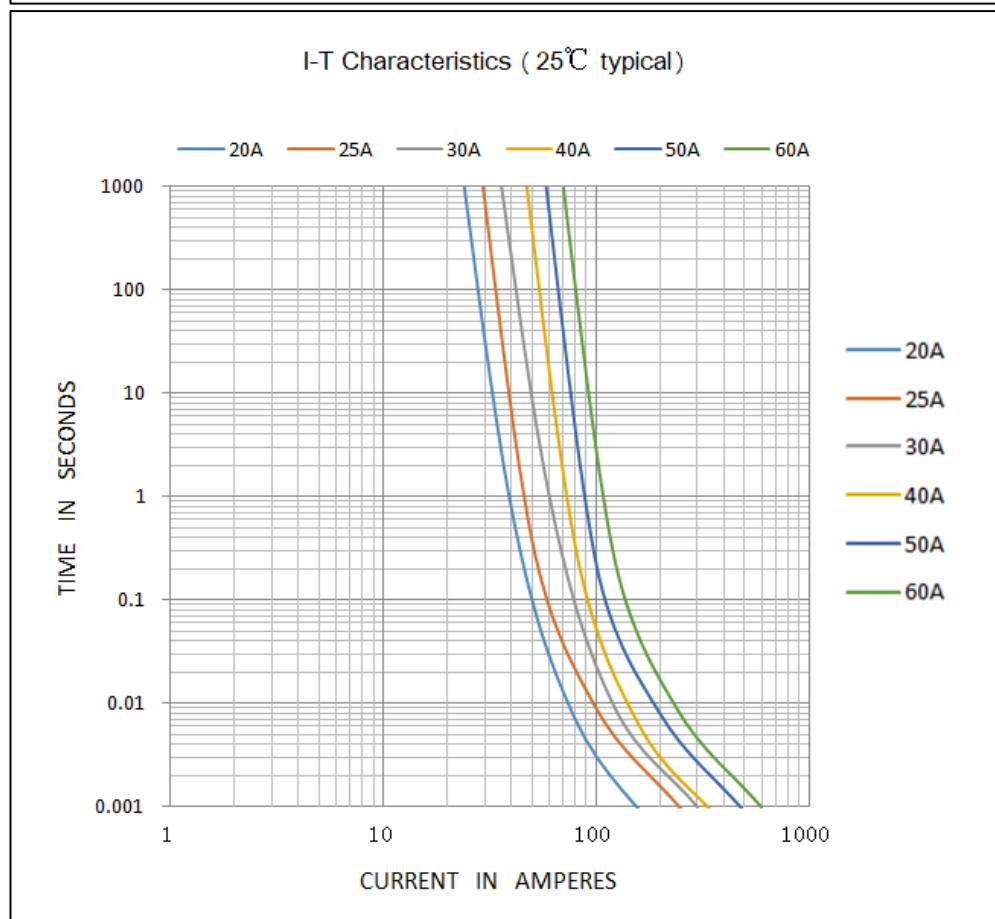
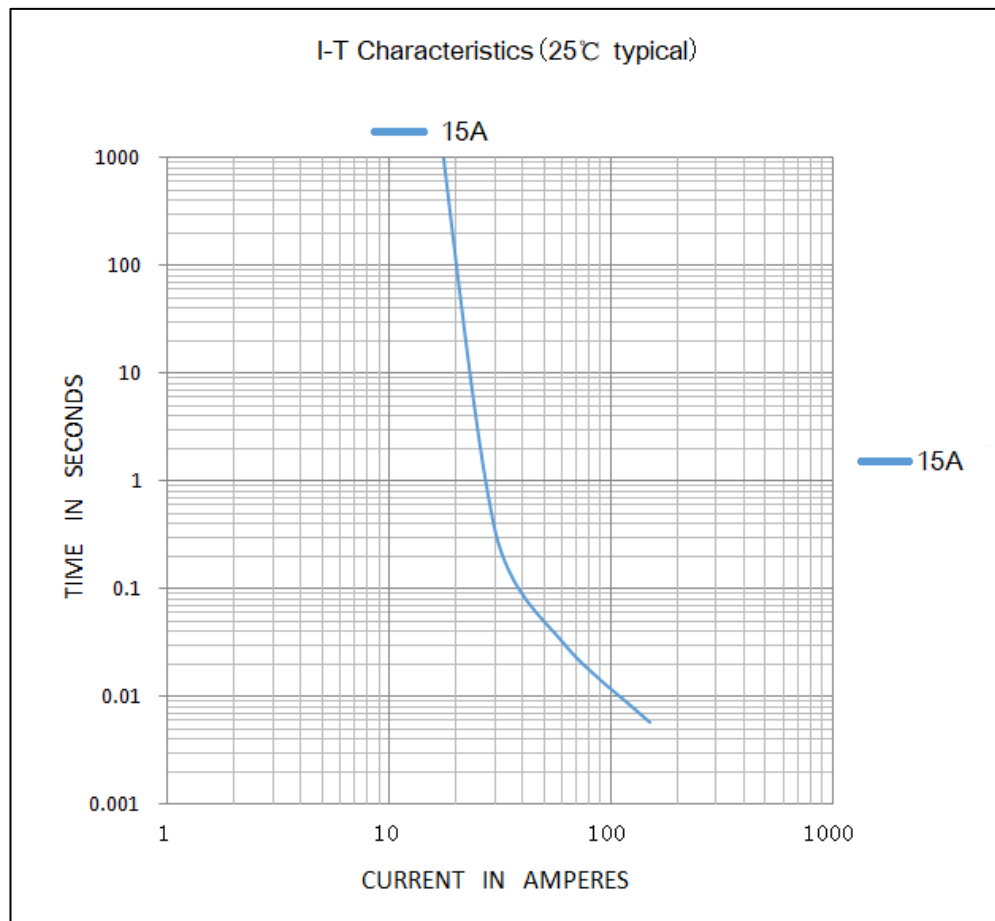
* Operating temperature: -55 ~ 125°C, with proper correction factor applied



Average Time Current Curves



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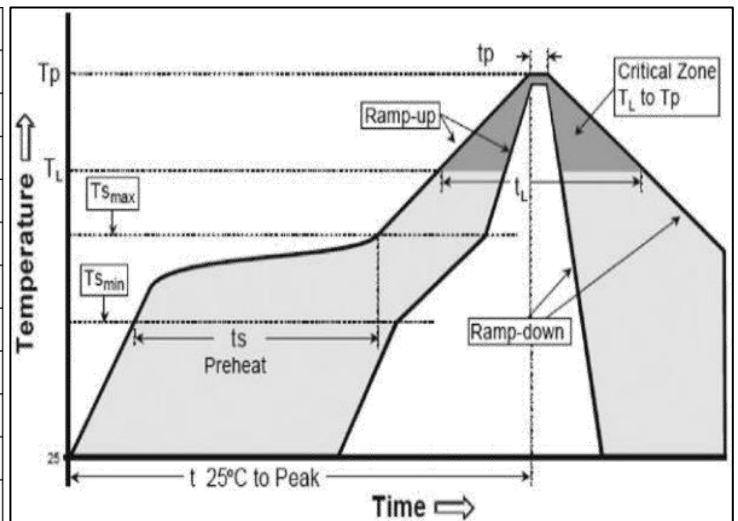
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Solder reflow profile

Reflow Condition		Pb-Free assembly
Pre Heat	-Temperature Min($T_{s(min)}$)	150°C
	-Temperature Max($T_{s(max)}$)	200°C
	-Time (Min to Max)(t_s)	60-180 secs
Average ramp up rate (Liquidus Temp(T_L)to peak)		5°C/second max
$T_{s(max)}$ to T_L Ramp-up rate		5°C/second max
Reflow	-Temperature(T_L)(liquidus)	217°C
	-Temperature(t_L)	60-150 seconds
Time within 5°C of actual peak Temperature(t_p)		20-40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature (T_p)		8 minutes Max.
Do not exceed		260°C



Part Number System

1032HA	2300	8	00	J
Fuse Type	Ampere Rating($10^2 \times 300\text{mA} = 30\text{A}$)	2:250Vac 1:125Vac/dc 8:80Vdc	Standards and specifications	Gold plating

Packaging

Packaging Option	Packaging Specification	Quantity
1032HA	tape-and-reel	2000PCS