

Type 1032HA

High Current Brick Fuses



Description

- »High Current Brick Fuses
- »Surface mount design to save space
- »Ceramic square body with end cap
- »Designed to UL248-1/14
- »Fully compatible with lead-free solder and high temperature profile



Electrical Characteristics For Series

Rating Current	100% of Ampere Rating	200% of Ampere Rating
15A~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 min(A2S)	Typical DC Cold resistance (Ω)**	Alpha Mark
1032HA2150	250V AC 125V AC	125V DC 80V DC 72V DC	15A	150A@250V AC 150A@125V AC	260A@125V DC 500A@80V DC 500A@72V DC	150	4.70	15A
1032HA2200			20A			450	3.09	20A
1032HA2250			25A			680	2.20	25A
1032HA2300			30A			950	2.08	30A
1032HA2350			35A			1225	1.81	35A
1032HA2400			40A			1600	1.25	40A
1032HA2500	125V AC	72V DC	50A	150A@125V AC	200A@72V DC	2500	1.05	50A
1032HA2600			60A			3600	0.88	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)
15A~60A	10.25±0.2	1.9±0.2	3.15±0.3

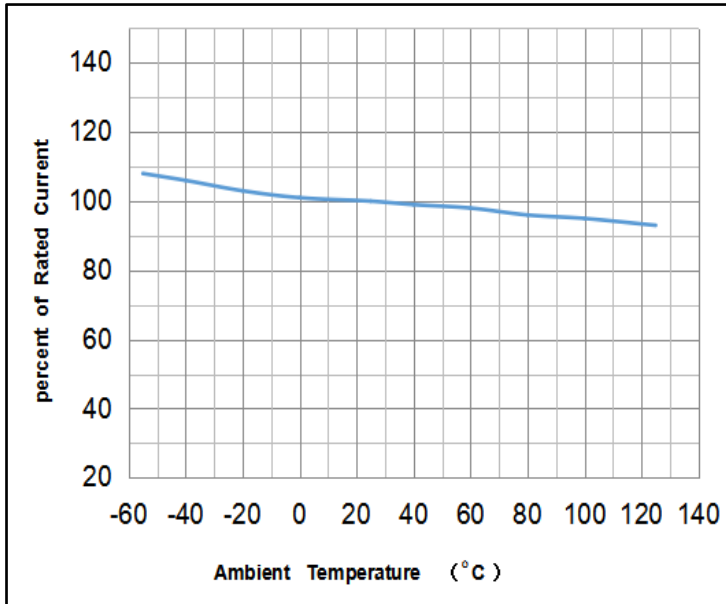
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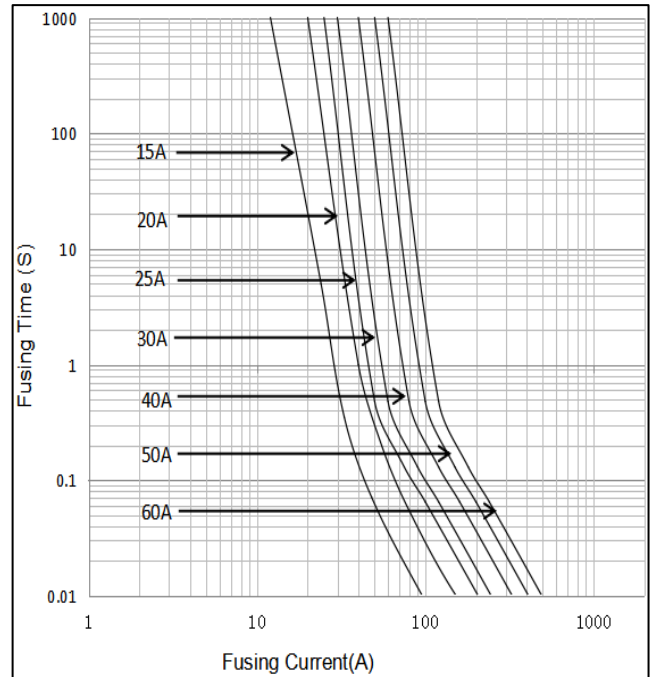


Temperature Re-rating Curve

- * Normal ambient temperature: 23+/-3°C
- * Operating temperature: -55 ~ 125°C, with proper correction factor applied

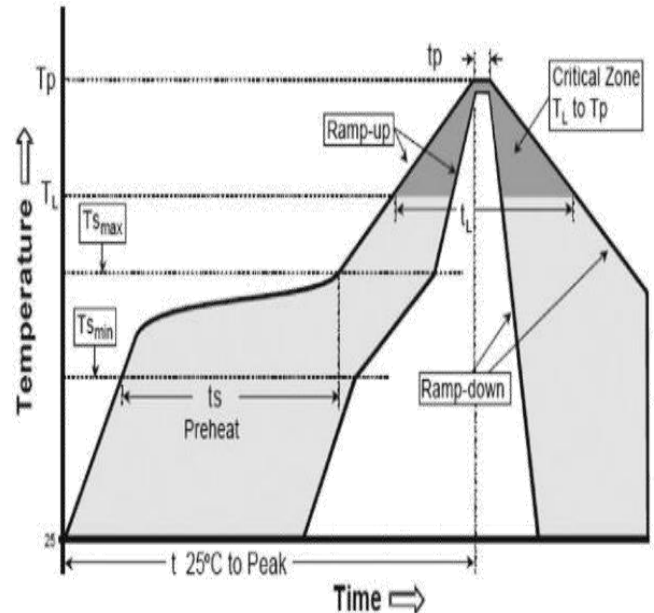


Average Time Current Curves



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
Ts(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



Packaging

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