

Type 1032

Time Lag High Current Brick Fuse



Description

- »Time Lag High current brick fuse
- »Surface mount deign to save space
- »Ceramic Suqare body with end cap
- »Designed to GB 9364.7/UL 248-14/IEC 60127.7
- »Fully compatible with lead-free solder and high temperature profile



Electrical Characteristics for Series

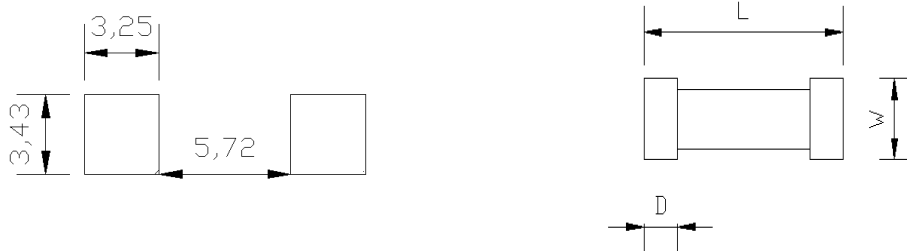
Rating Current	100% of Ampere Rating	200% of Ampere Rating	1000%of Ampere Rating
1A~20A	1 Hour, Min	120Sec.Max	5ms Min. 150ms Max.

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 10I _n min(A ² S)	Typical Voltage Drop (mV)	Alpha Mark	Agency Approvals		
									CQC	TUV	cURus
10321100200	250V 125V	125V 80V	1	1500A@250V 300A@125V	300A@125V 1000A@80V	5.30	100	Ⓢ 1A			●
10321200200			2			6.50	100	Ⓢ 2A	●	●	●
10321250200			2.5			1.25	100	Ⓢ 2.5A			●
10321315200			3.15			9.92	100	Ⓢ 3.15A	●	●	●
10321400200			4			19.20	100	Ⓢ 4A	●	●	●
10321500200			5			25.20	100	Ⓢ 5A	●	●	●
10321630200			6.3			39.70	100	Ⓢ 6.3A	●	●	●
10321800200			8			51.20	100	Ⓢ 8A	●	●	●
10322100200			10			480.0	80	Ⓢ 10A	●	●	●
10322125200			12.5	300A@250V 300A@125V	300A@125V 1000A@80V	187.5	80	Ⓢ 12.5A			●
10322150200			15			360.0	80	Ⓢ 15A			●
10322160200			16			450.0	80	Ⓢ 16A	●		●
10322200200			20		300A@125V 600A@80V	512.0	80	Ⓢ 20A	●		●

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

Dimension



Current	L (mm)	D(mm)	W(mm)
1~20A	10.25±0.2	2.2±0.2	3.15±0.3

Recommend trace thickness is 3oz, the minimum trace width is 6mm (1A~10A) and 10mm (12.5A~20A).

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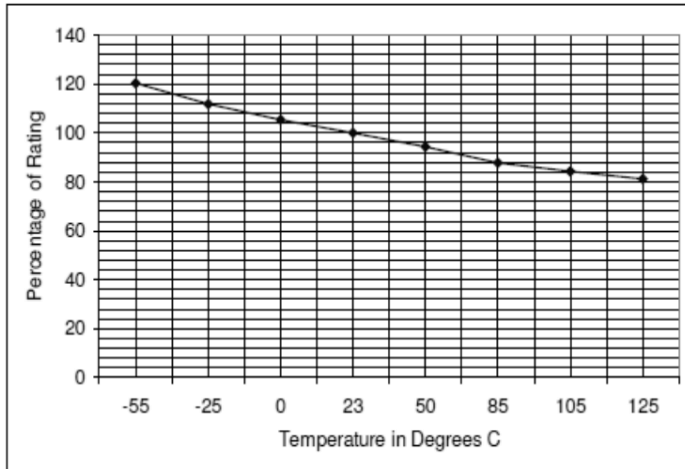
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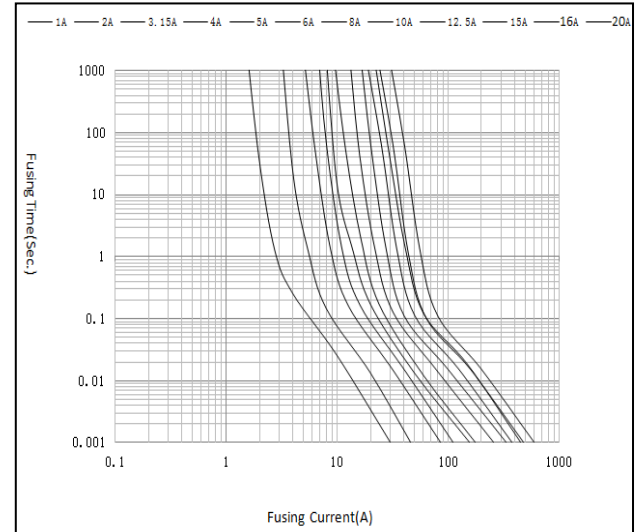
Temperature Re-rating Curve

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

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

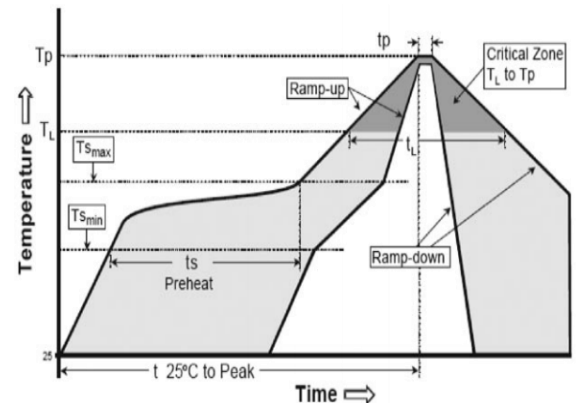


I-T Characteristics Curve



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

1032	2100	2	00	J
Fuse Type	Ampere Rating($10^2 \times 100mA=10A$)	1:125V 2:250V	Standard Product	Gold plating

Packaging

Packaging Option	Packaging Specification	Quantity
1032	tape-and-reel	2000pcs