

Type 1032FA

Fast Acting Surface Mount Fuses



Description

- »Fast Acting Surface Mount Fuse
- »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

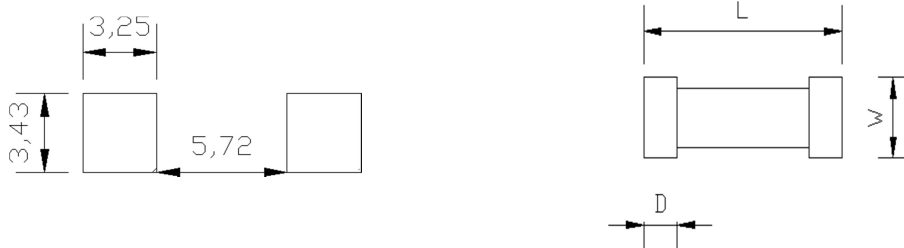
Rating Current	100% of Ampere Rating	300% of Ampere Rating	400% of Ampere Rating	1000% of Ampere Rating
50mA~250mA	1 Hour, Min.	10Sec. Max.	3Sec. Max.	20ms Max.

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
1032FA0050	250V	72V	50mA	1500A@250V	1000A@72V	0.0013	7.70	50mA
1032FA0063	250V	72V	63mA	1500A@250V	1000A@72V	0.0031	6.90	63mA
1032FA0080	250V	72V	80mA	1500A@250V	1000A@72V	0.032	4.62	80mA
1032FA0100	250V	72V	100mA	1500A@250V	1000A@72V	0.005	2.61	100mA
1032FA0125	250V	72V	125mA	1500A@250V	1000A@72V	0.008	1.92	125mA
1032FA0160	250V	72V	160mA	1500A@250V	1000A@72V	0.012	1.60	160mA
1032FA0200	250V	72V	200mA	1500A@250V	1000A@72V	0.020	0.90	200mA
1032FA0250	250V	72V	250mA	1500A@250V	1000A@72V	0.031	0.67	250mA

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

Dimension



Current	L (mm)	D(mm)	W(mm)
50mA~250mA	10.25±0.2	1.9±0.2	3.15±0.3

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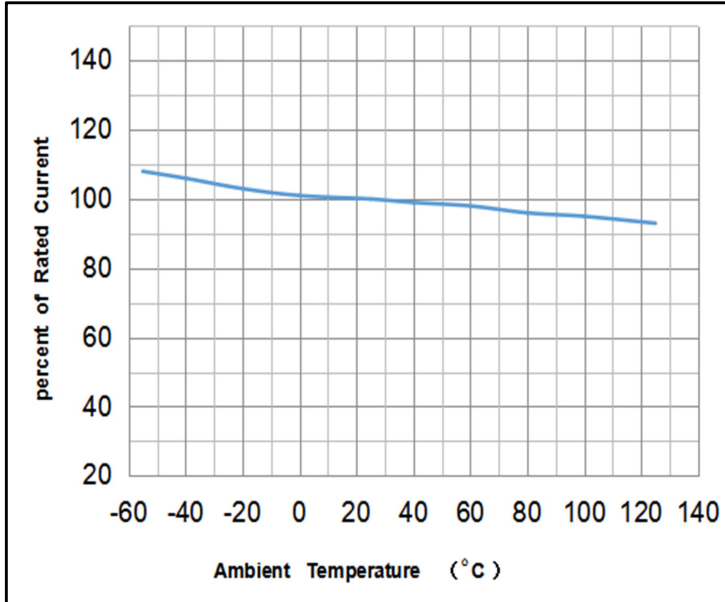
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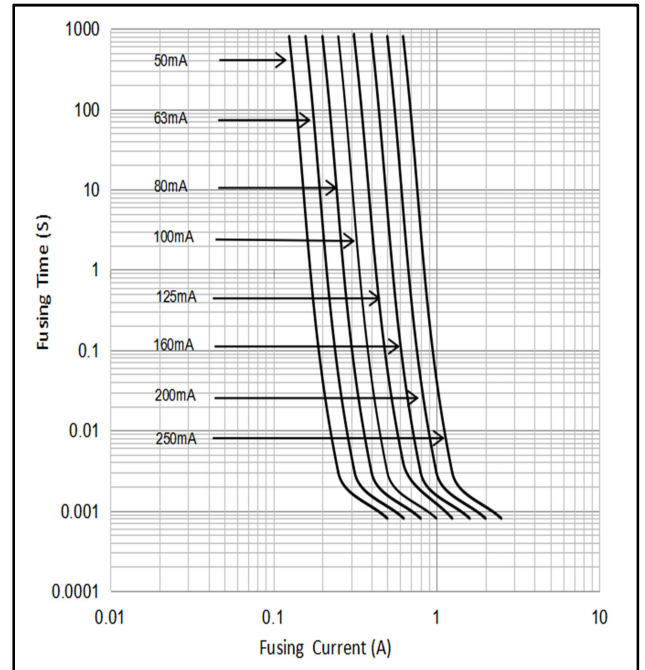
Temperature Re-rating Curve

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

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

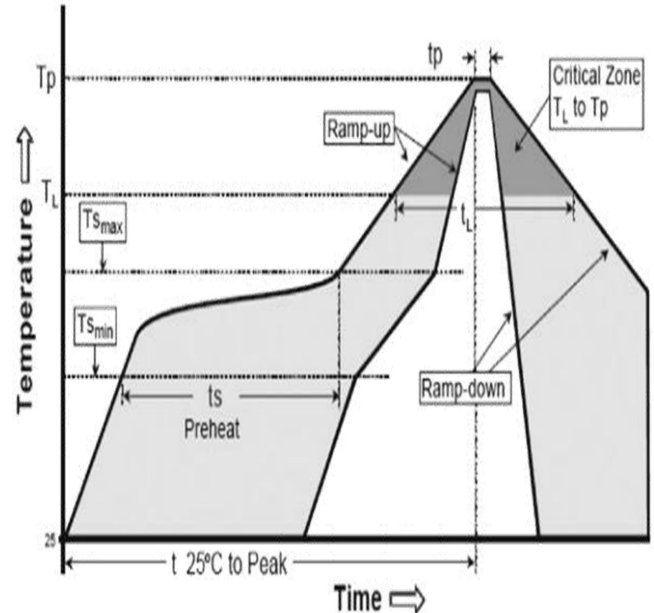


Average Time Current Curves



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
1032FA	tape-and-reel	2000PCS