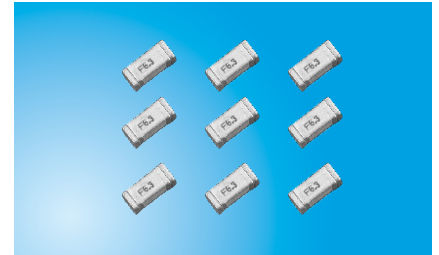


Fast Acting Brick Fuse 6125FA Series

Description


- ▶ Fast acting surface mount fuse
- ▶ Overcurrent protection of systems up to 125Vac/72Vdc
- ▶ High inrush withstand capability
- ▶ Solder immersion compatible



Features

- ▶ Lead free and Halogen Free
- ▶ Fast acting
- ▶ Small size
- ▶ Wide range of current ratings available
- ▶ Wide operating temperature range
- ▶ Low temperature derating

Approvals

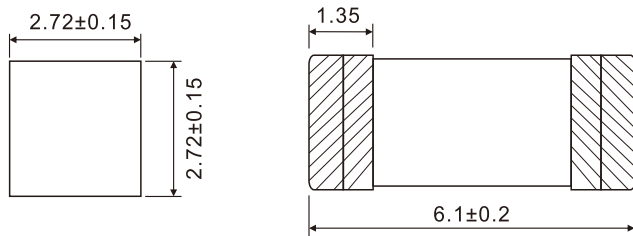
Safety Agency	Amp Range/Volt@I.R ability
	500mA-15A/AC125V/DC72V@50A 500mA-15A/AC125V/DC32V@300A

Applications

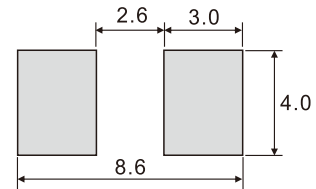
- ▶ Power supplies
- ▶ Servers
- ▶ LED/LCD televisions
- ▶ Appliances and white goods
- ▶ LCD monitor/backlight inverters
- ▶ Laptops and notebooks

Fast Acting Brick Fuse 6125FA Series

Dimensions(mm)



Recommended Pad Layout(mm)



Electrical Specifications

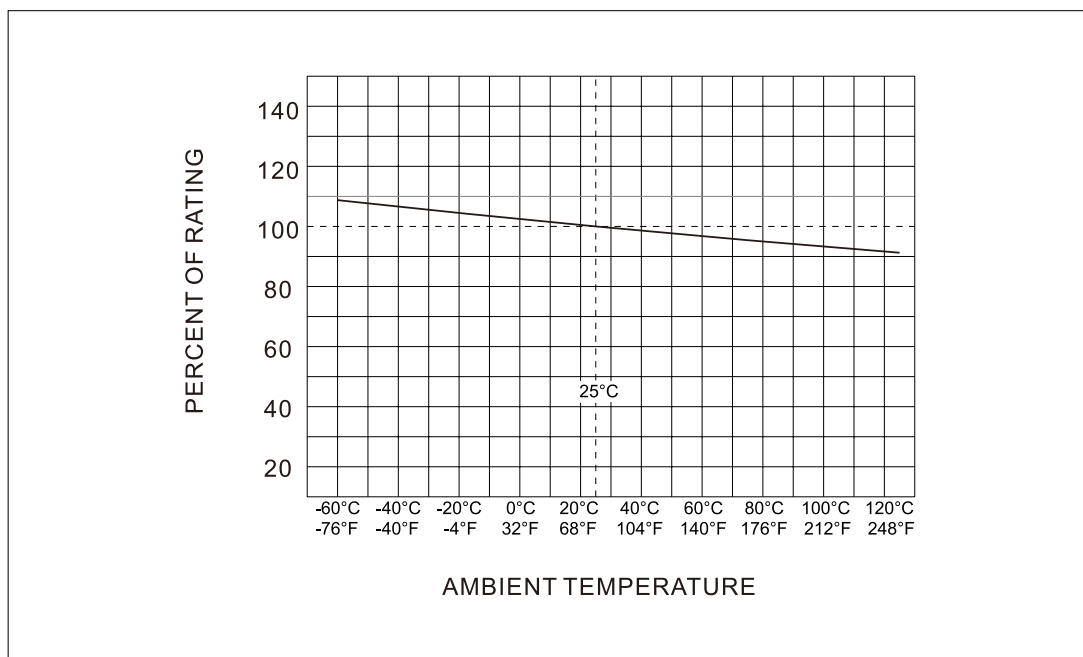
Catalog Number	Ampere Rated In	Marking	Voltage Rating(V)	Normal Resistance Cold(Ohm)	Normal Melting I ² T(A ² sec)
6125FA500mA	500mA	F0.5	AC125V/DC72V	0.7500	0.080
6125FA750mA	750mA	F0.75	AC125V/DC72V	0.3500	0.152
6125FA1A	1A	F1	AC125V/DC72V	0.2600	0.220
6125FA1.25A	1.25A	F1.25	AC125V/DC72V	0.1710	0.355
6125FA1.5A	1.5A	F1.5	AC125V/DC72V	0.1120	0.456
6125FA2A	2A	F2	AC125V/DC72V	0.0490	1.670
6125FA2.5A	2.5A	F2.5	AC125V/DC72V	0.0450	5.200
6125FA3A	3A	F3	AC125V/DC72V	0.0350	6.240
6125FA3.5A	3.5A	F3.5	AC125V/DC72V	0.0270	7.280
6125FA4A	4A	F4	AC125V/DC72V	0.0260	7.400
6125FA5A	5A	F5	AC125V/DC72V	0.0170	9.500
6125FA6.3A	6.3A	F6.3	AC125V/DC72V	0.0140	15.100
6125FA7A	7A	F7	AC125V/DC72V	0.0110	37.250
6125FA10A	10A	F10	AC125V/DC72V	0.0073	67.75
6125FA12A	12A	F12	AC125V/DC72V	0.0053	210.59
6125FA15A	15A	F15	AC125V/DC72V	0.0042	296.10

Fast Acting Brick Fuse 6125FA Series

Electrical Characteristics

Electrical Characteristics		
Ampere Rating	% of Amp Rating	Opening Time
500mA-15A	100%	4 Hours Minimum
	200%	5 Seconds Maximum

Temperature Rerating Curve

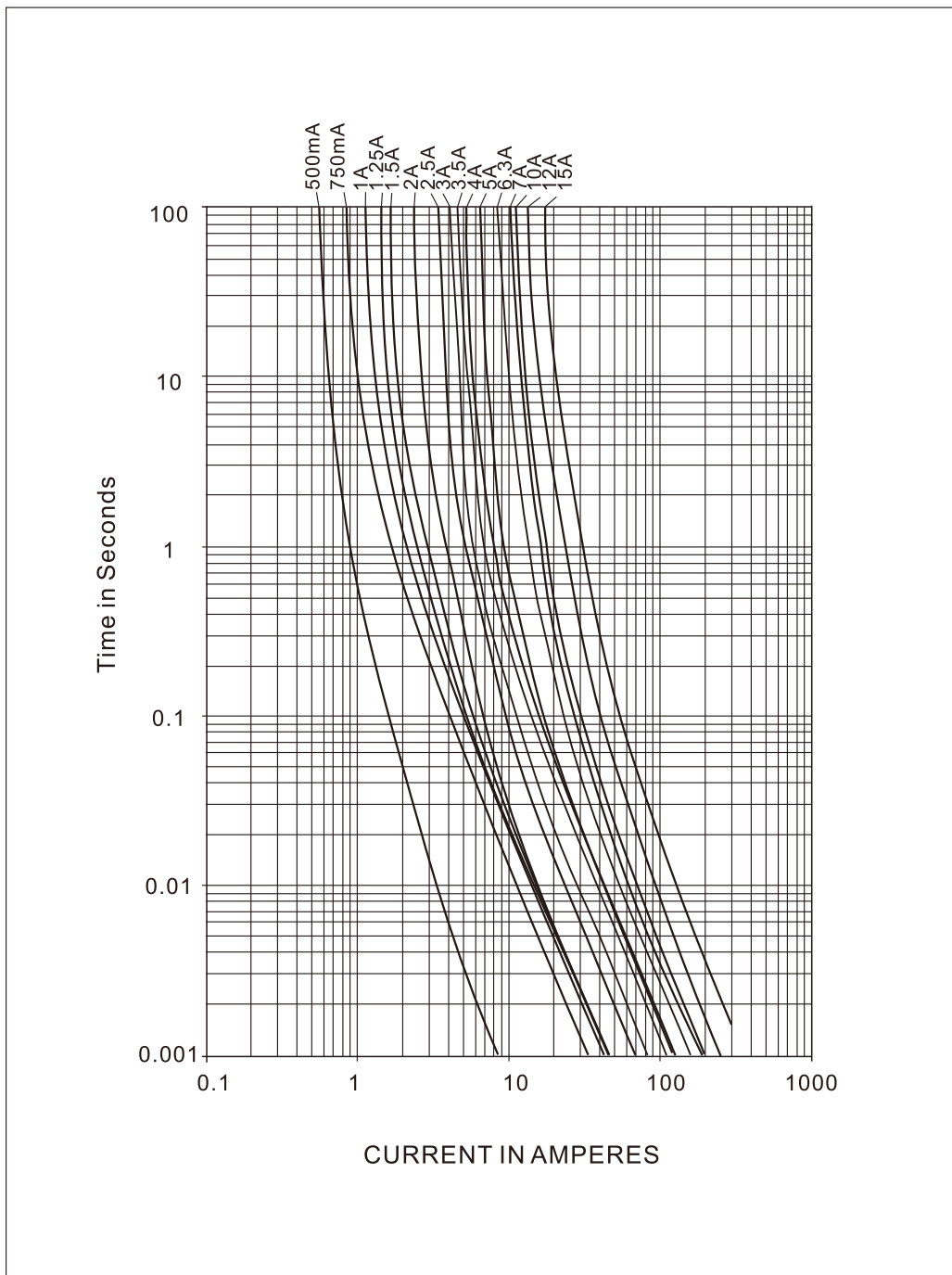


Note:

- ▶ Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Fast Acting Brick Fuse 6125FA Series

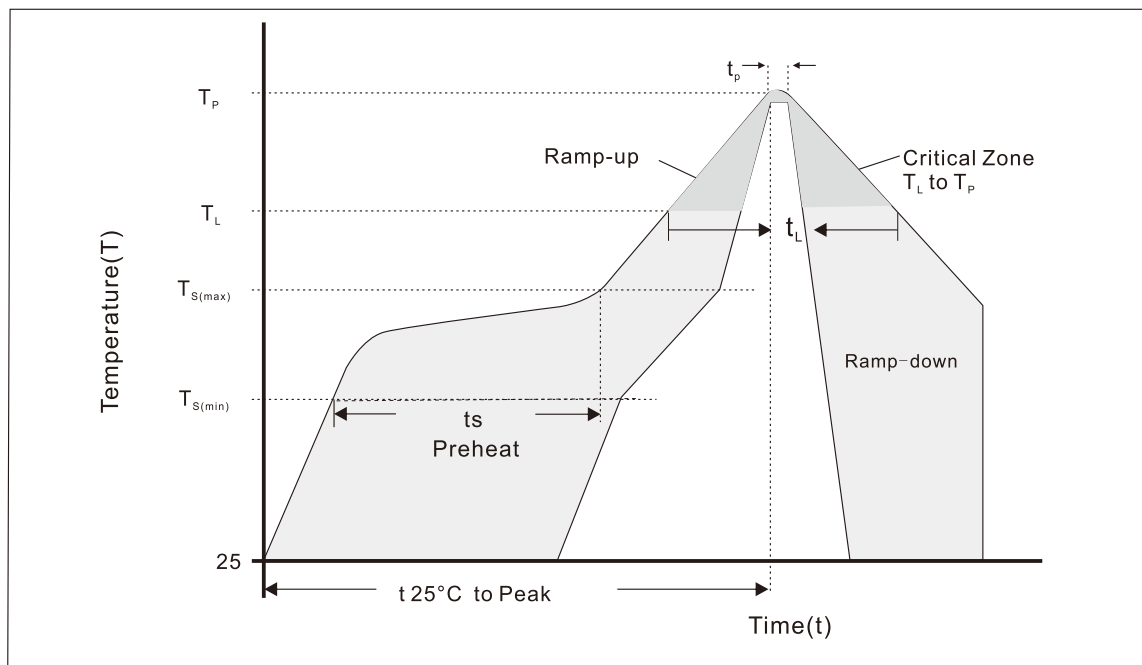
Time-Current Characteristics



Fast Acting Brick Fuse 6125FA Series

Soldering Parameters

Reflow Condition		Pb- Free assembly
Heat Pre	Temperature Min(T_s)	150°C
	Temperature Max(T_s)	200°C
	Time (Min to Max)(t_s)	60 -120 secs
Average ramp up rate (Liquidus)Temp (T_L) to peak		3°C/second max
T_s (max) to T_L -Ramp-up Rate		3°C/second max
Reflow	- Temperature (T_L) (Liquidus)	217°C
	Time (Min to Max) (t_L)	60-90 seconds
Peak Temperature (T_p)		260 ^{+0/-5} °C
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



Fast Acting Brick Fuse 6125FA Series

Operation Temperature

- ▶ -40°C to 125°C

Physical Specification Materials

- ▶ Ceramic Body/Metallization of ceramic body
- ▶ Fuse Element:copper or copper Alloy
- ▶ End plate:copper
- ▶ High temperature solder preform
End termination overcoat on both ends
(Nickel Flash, Tin/Lead Overcoat)

Packaging

- ▶ On Tape:6125FA-2500pcs Per Reel
- ▶ 6125FA-20000pcs outer box

单击下面可查看定价，库存，交付和生命周期等信息

[>>KINGWAHOO\(金华\)](#)