

Fast Acting | 2410(6.5x1.6mm) Brick Fuses

2410FA Series

2410FA Series fuse for the small size and good electrical performance, reliability and quality.



Features

- Compatible with reflow
- One time positive disconnect
- RoHS compliant
- Designed to UL 248-14



Electrical Characteristics

Amp Rating	% of Amp Rating	Opening Time
20~30A	100%	4 Hours Min.
20~30A	200%	60sec Max.

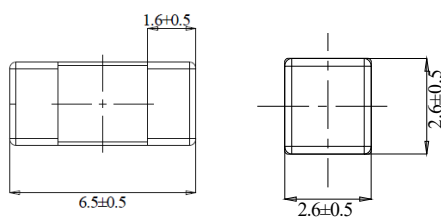
Specification

Part Number	Ampere Rating (A)	Voltage Rating	Interrupting Rating	Typical Cold Resistance (mΩ)	Typical Melting I ² t (A ² Sec)	Typical Voltage Drop (mV)
2410FA-20A	20	72Vdc @ 500A		2.10	250	60
2410FA-25A	25			1.48	480	55
2410FA-30A	30			1.10	1000	50

- DC Interrupting Rating (measured at designated voltage, time constant of less than 50 microseconds, battery source)
- DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 C
- Typical Pre-arcing I²t are measured at 10In Current

Dimension

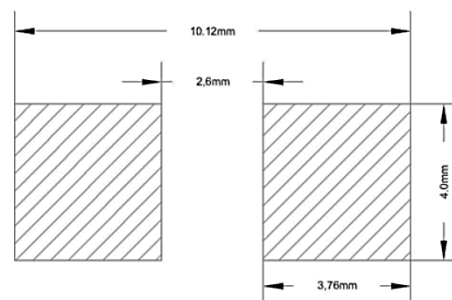
Unit: mm



Packaging

Quantity: 1,000pcs
12mm tape-and-reel per EIA Standard 481.

Recommended land pattern (mm)



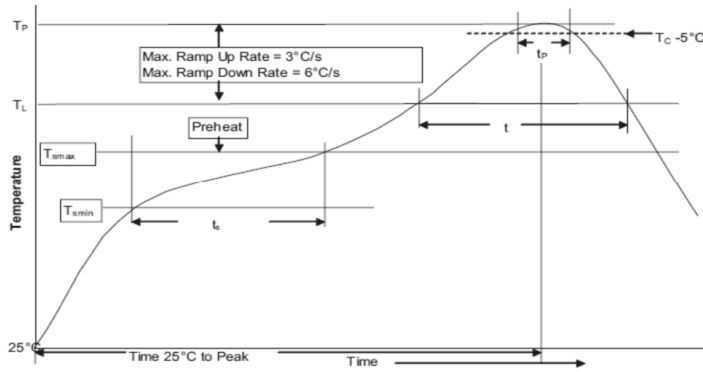
Note: Minimum copper layer thickness = 100μm.

Recommend stencil thickness is 0.15mm

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Soldering Parameters

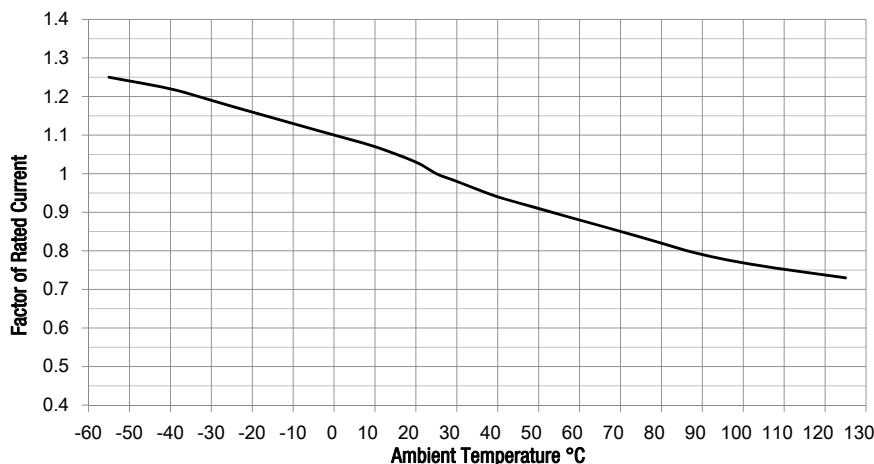


Infrared Reflow: 260°C, 30 seconds max.

Reflow-Soldering Parameter

Profile Feature	Lead(Pb) free solder
<ul style="list-style-type: none"> Temperature min.(T_{smin}) 	150°C
Preheat and soak	
<ul style="list-style-type: none"> Temperature max. (T_{smax}) Time (T_{smin} to T_{smax}) (t_S) 	200°C 60 - 120 Seconds
Average ramp up rate T _{smax} to T _p	3°C / Second Max.
Liquidous temperature (T _L) Time at liquidous (t _L)	217°C 60 - 150 Seconds
Peak package body temperature (T _P)	260°C
Time (t _P) within 5°C of the specified classification temperature (T _C)	30 Seconds
Average ramp-down rate (T _P to T _{smax})	6°C / Second Max.
Time (25°C to Peak Temperature)	8 Minutes Max.

Temperature Derating Curve



Normal Operating Temperature: 25°C ± 2°C
 Operating Temperature: -55°C to 125°C with proper correction factor applied.
 Chart of correction factor
 Storage Temperature: -55°C to 125°C

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Time Current Curve

