

Fast Acting SMD 72VDC Fuse

2410FA-20A

Descriptions

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



Electrical Characteristics

Current Rating	% of Ampere Rating	Opening Time
20A	100%	4 hours Min
	200%	60 sec Max



Features

- Ultra low resistance, dedicated for battery board protection
- Surface mount fuse with remarkable breaking capacity
- 6.1x2.5mm square body
- Designed to UL 248-1/14
- Lead Free material

Application

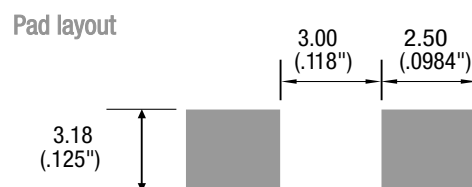
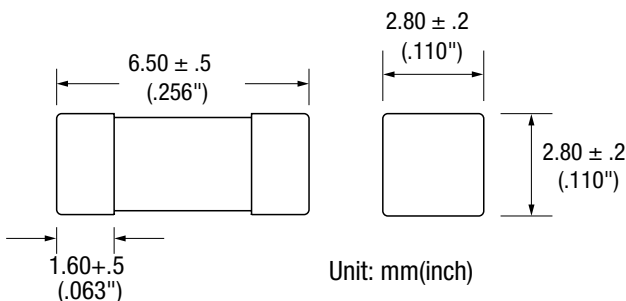
- Notebook PC
- Backlight inverter
- Power supply
- Storage system
- Telecom system
- Battery charging circuit protection
- Industrial equipment

Specification

Product Code	Current Rating	Voltage Rating	Interrupting Rating	Resistance (ohms) Typ.	Typical Melting I ² t (A ² Sec)	Typical Voltage Drop (mV)
2410FA-20A	20A	72Vdc	500A@72Vdc	0.0024	135	100

○ Typical Pre-arcing I²t are measured at 10In Current

Dimension

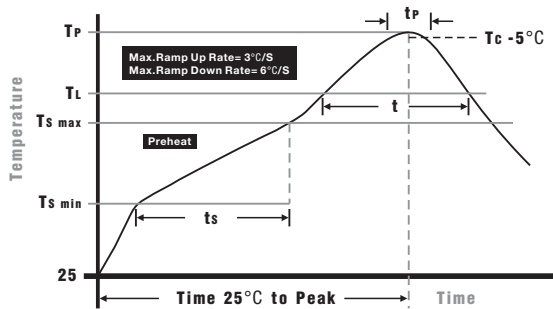


Packaging

- Quantity: 1,000pcs
- 12mm wide tape on 178mm(7 inch) diameter reel -specification EIA Standard 481.

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Soldering Parameters



IR Reflow Profile

Preheat Heat	
Temperature min (T _{min})	150°C
Temperature max (T _{max})	200°C
Time (T _{min} to T _{max}) (t _s)	60 - 120 seconds
Average ramp-up rate (T_{max} to T_p)	3°C/second max.
Liquidous temperature (T_L)	217°C
Time at liquidous (t _L)	60 - 150 seconds
Peak temperature (T_p)	260±0/-5°C
Time within 5°C of actual peak Temperature (t_p)	10 - 30 seconds
Average ramp-down rate (T_p to T_{max})	6°C/second max.
Time 25 °C to peak temperature	8 minutes max.

Soldering Characteristics

Wave Immersion

- Reservoir Temperature: 260°C
- Time in Reservoir : 10 Seconds Maximum

Infrared Reflow

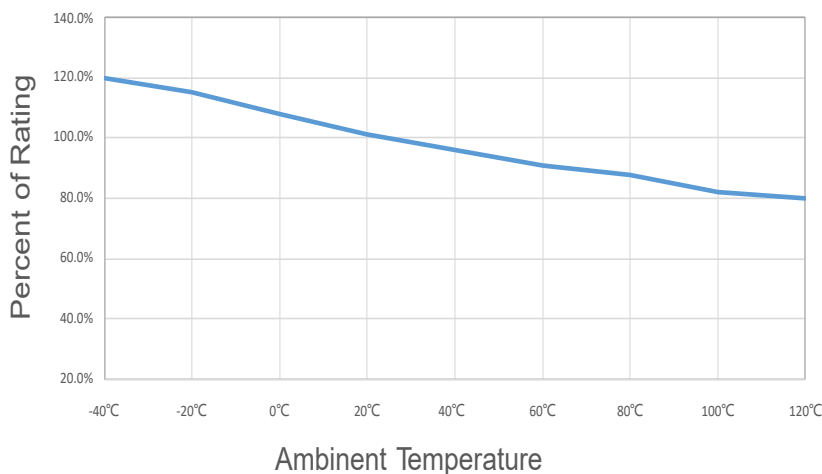
- Temperature: 260°C
- Time: 30 Seconds Maximum

Hand Soldering (Not recommended)

- Maximum tip temperature: 350°C
- Maximum soldering time: 5 seconds max

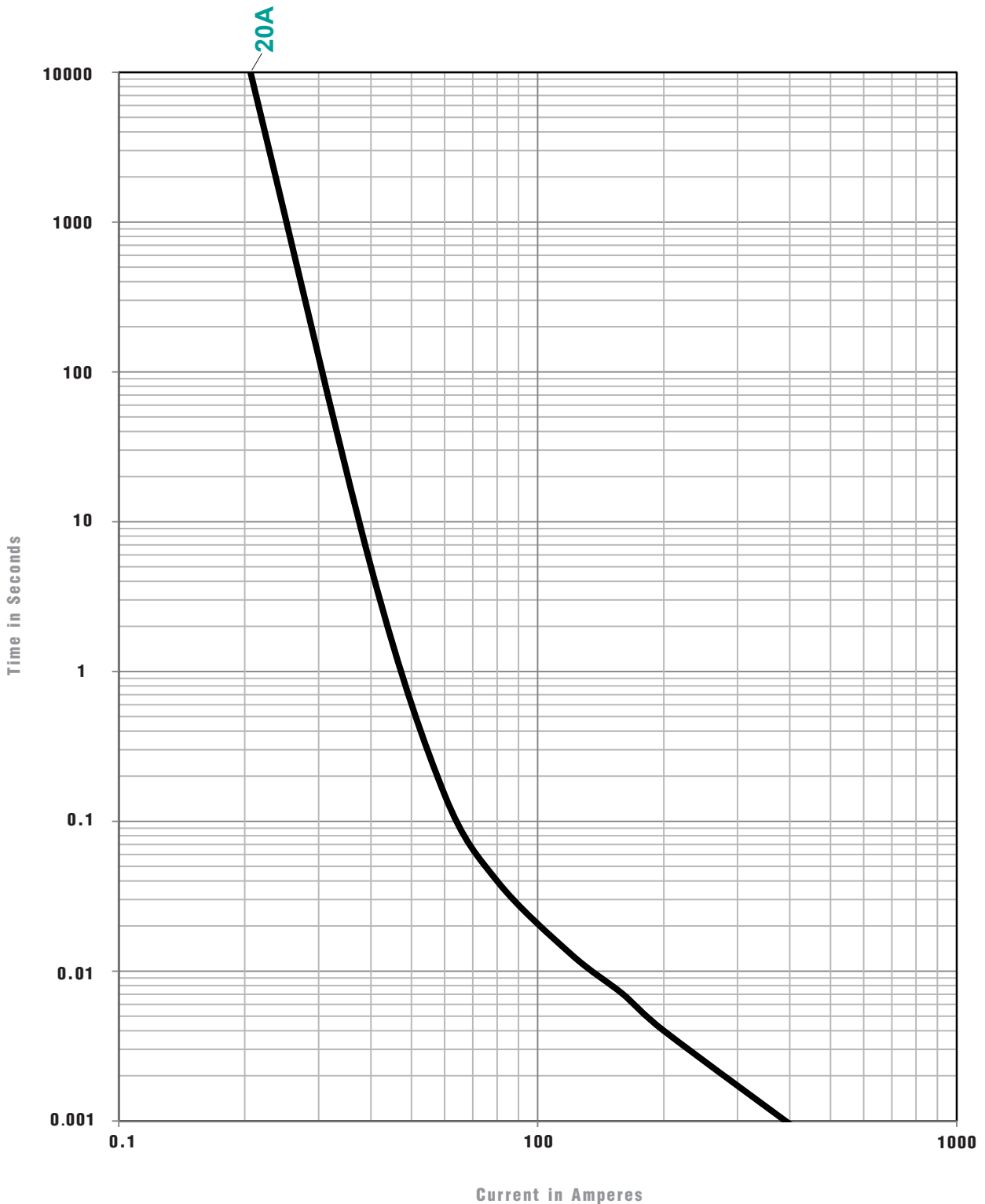
Temperature Derating Curve

Temperature Re-rating 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

Time Current Curves



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