

Fast Acting SMD 125VAC/DC Fuse

2410FA Series

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
500mA-15A	100%	4 hours Min
500mA-15A	200%	5 sec Max



Features

- Designed to UL 248-14
- Small size
- Compatible with reflow and wave soldering RoHS compliant and Halogen Free
- One time positive disconnect

Application

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

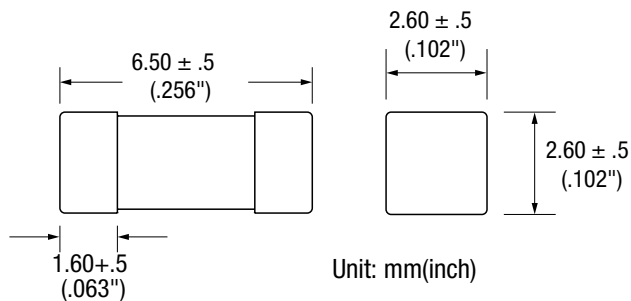
Specification

Product Code	Current Rating	Voltage Rating	Interrupting Rating	Resistance (ohms) Typ.	Typical Melting I ² t (A ² Sec)	Typical Voltage Drop (mV)
2410FA-R500	0.5A	125VAC 125VDC	125VAC@50A 125VDC@50A	0.28100	0.48	185
2410FA-R800	0.8A			0.13700	1.70	150
2410FA-1A	1.0A			0.10500	2.70	140
2410FA-1.5A	1.5A			0.06200	4.90	125
2410FA-2A	2.0A			0.02700	1.50	96
2410FA-2.5A	2.5A			0.01820	5.50	60
2410FA-3A	3.0A			0.01780	3.10	86
2410FA-4A	4.0A			0.01290	5.20	85
2410FA-5A	5.0A			0.01020	8.50	81
2410FA-6.3A	6.3A			0.00770	15.0	80
2410FA-7A	7.0A			0.00720	19.5	80
2410FA-8A	8.0A			0.00630	24.0	78
2410FA-10A	10A			0.00510	38.0	77
2410FA-12A	12A			0.00395	57.0	76
2410FA-15A	15A			0.00315	105.0	75

- AC Interrupting Rating (measured at designated voltage, 100% power factor); 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 the ambient temperature of 25°C
- Typical Pre-arcing I²t are measured at 10In Current

Fast Acting SMD 125VAC/DC Fuses 2410FA Series

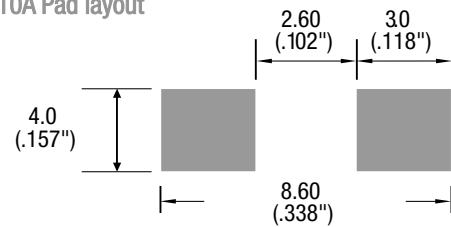
Dimension



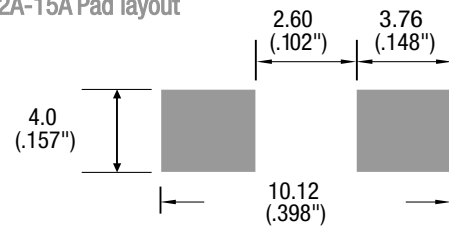
Packaging

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

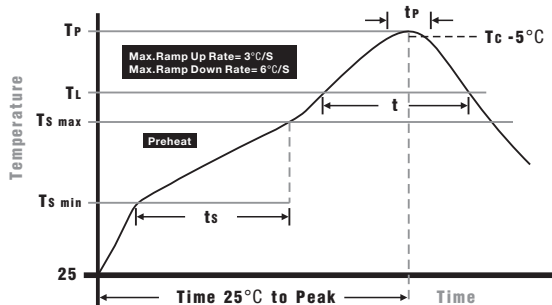
1A-10A Pad layout



12A-15A Pad layout



Soldering Parameters

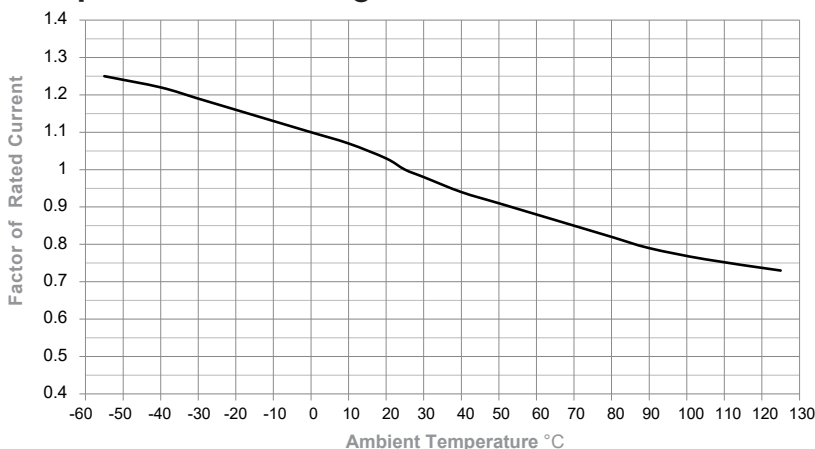


Wave Soldering: 260°C, 10 seconds max.
Infrared Reflow: 260°C, 30 seconds max.

IR Reflow Profile

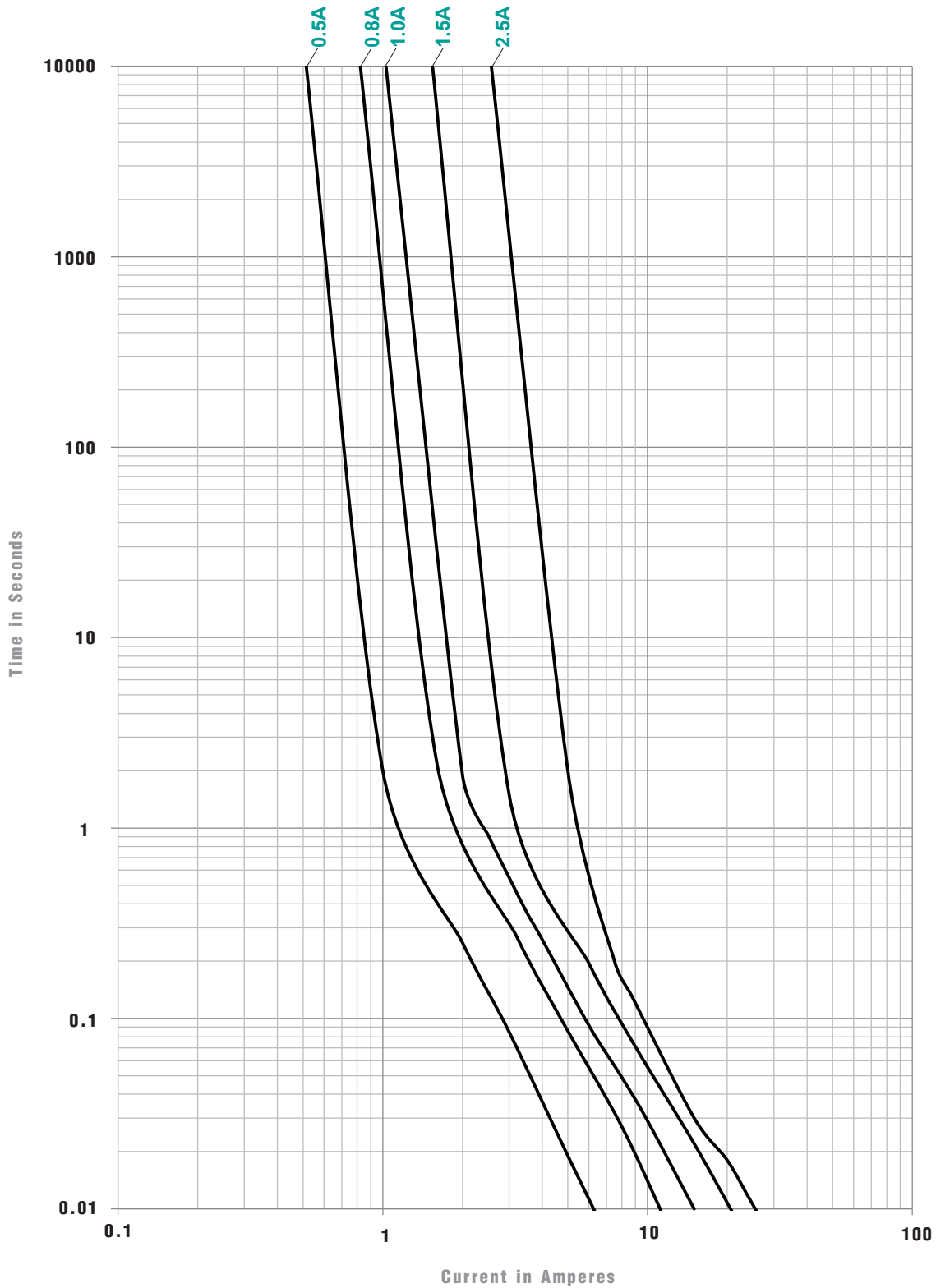
Preheat Heat	
Temperature min (T _{smin})	150°C
Temperature max(T _{smax})	200°C
Time (T _{smin} to T _{smax}) (ts)	60 -120 seconds
Average ramp-up rate (T_{smax} to T_p)	
	3°C/second max.
Liquidous temperature (T_l)	
Time at liquidous (t _l)	60 - 150 seconds
Peak temperature(T_p)	
	260+0/-5°C
Time within 5°C of actual peak Temperature (tp)	
	10 – 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

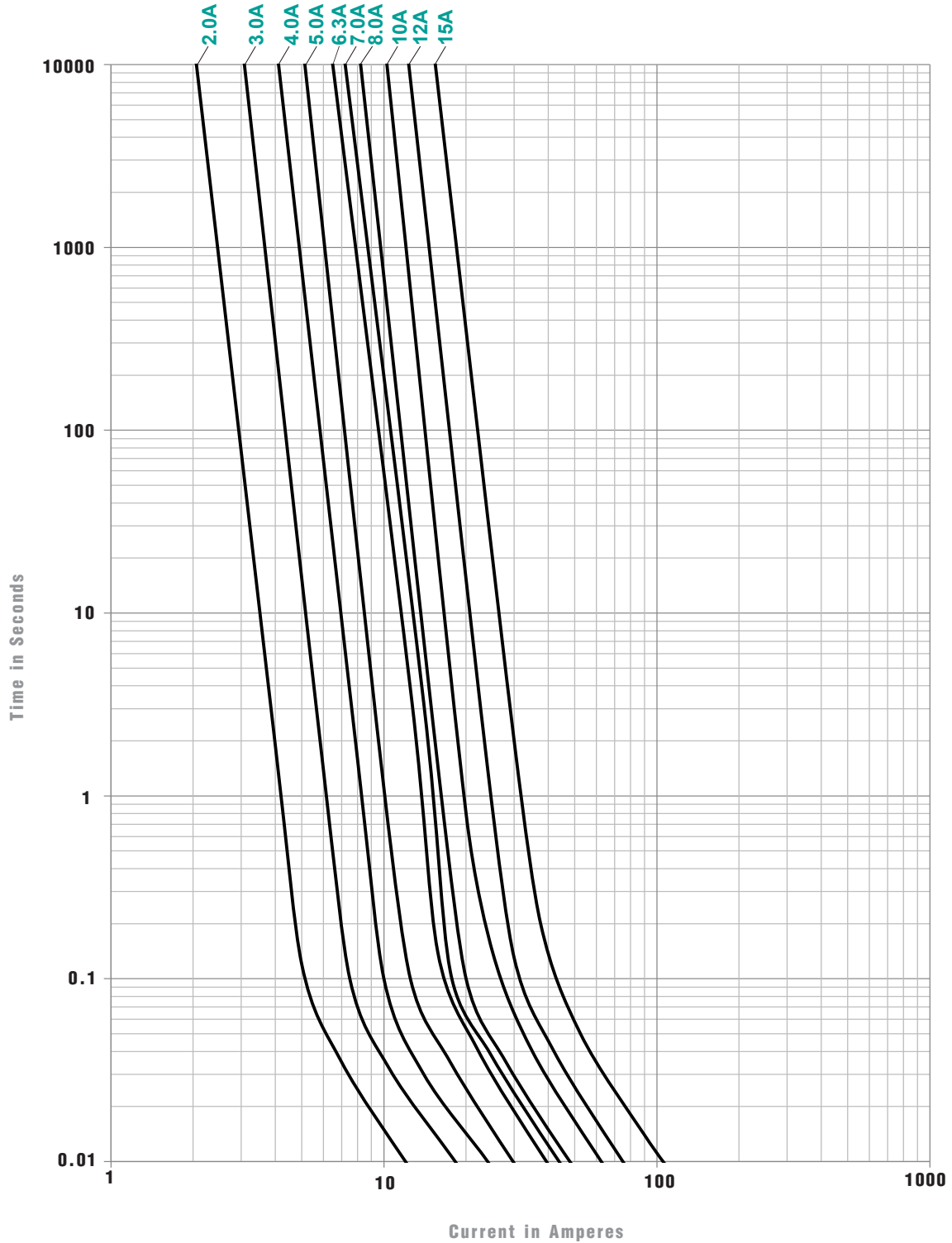


- Normal Operating Temperature: 25 C ± 2 C
- Operating Temperature: -55 C to 125 C with proper correction factor applied.
- Chart of correction factor
- Storage Temperature: -55°C to 125°C

Time Current Curves



Time Current Curves



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Surface Mount Fuses](#) category:

Click to view products by [PROSEMI](#) manufacturer:

Other Similar products are found below :

[FHC20402ADTP](#) [NFVC6125S0R50TRF](#) [SFT-125MA](#) [TF16SN2.00TTD](#) [FCC16501ABTP](#) [FCC16102ABTP](#) [FHC16322ADTP](#) [0308.250UR](#)
[0308.375UR](#) [0308.500UR](#) [0308.750UR](#) [0308001.UR](#) [030801.5UR](#) [F0603G0R03FNTR](#) [SKY87604-12](#) [SKY87604-11](#) [SKY87604-13](#)
[7010.9962.63](#) [R451003.L](#) [R451.500L](#) [R451001.L](#) [3-103-119](#) [3-103-123](#) [SGB401](#) [SGB075](#) [0154002.DRL](#) [0154008.DRL](#) [0154.500DRL](#)
[189140.1,25](#) [189140.0,8](#) [189140.0,4](#) [189140.0,63](#) [189140.0,25](#) [0402FA-R200](#) [0402SFF150F/24-2](#) [0435.250KRHFS](#) [0468003.WR](#)
[0494001.NRHF](#) [0494002.NRHF](#) [0494003.NRHF](#) [049402.5NRHF](#) [049403.5NRHF](#) [0494.250NRHF](#) [0494.375NRHF](#) [0494.500NRHF](#)
[CF06V3T1R60](#) [CF06V3T2R50](#) [06H1300D](#) [JFC0603-1200FS](#) [CP06V3T2R0](#)