

## Description

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-1.5A	200%	120 sec Max
2A-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

## Applications

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

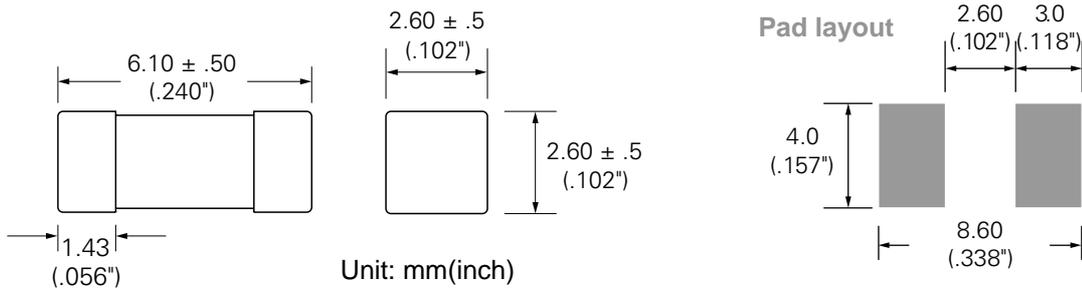
## Specification



Product Code	Current Rating	Voltage Rating	Interrupting Rating	Resistance (ohms) Typ.	Typical Melting I <sup>2</sup> t (A <sup>2</sup> Sec)	Typical Voltage Drop (mV)
2410FA-R500	500mA	125VAC 125VDC	50A@125VAC 50A@125VDC	0.600	0.053	410
2410FA-R800	800mA			0.306	0.51	370
2410FA-1A	1A			0.256	0.85	360
2410FA-1.5A	1.5A			0.188	0.83	300
2410FA-2A	2A			0.028	1	96
2410FA-3A	3A			0.018	3	86
2410FA-4A	4A			0.013	5	85
2410FA-5A	5A			0.010	7	81
2410FA-6.3A	6.3A			0.008	12	80
2410FA-7A	7A			0.007	19	80
2410FA-8A	8A			0.006	23	78
2410FA-10A	10A			0.005	35	77
2410FA-12A	12A			0.004	55	76
2410FA-15A	15A			0.003	98	75

- AC Interrupting Rating - Measured at designated voltage, 100% power factor random closing.
- 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 Melting I<sup>2</sup>t - Measured with a battery bank at Rated DC voltage, 10In-rated current, but not exceeding the interrupting rating, time constant of calibrated circuit less than 50 microseconds.

## Dimension



## Packaging

500mA~15A 1000pcs/Tape and Reel

## Soldering Characteristics

### Wave Immersion

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

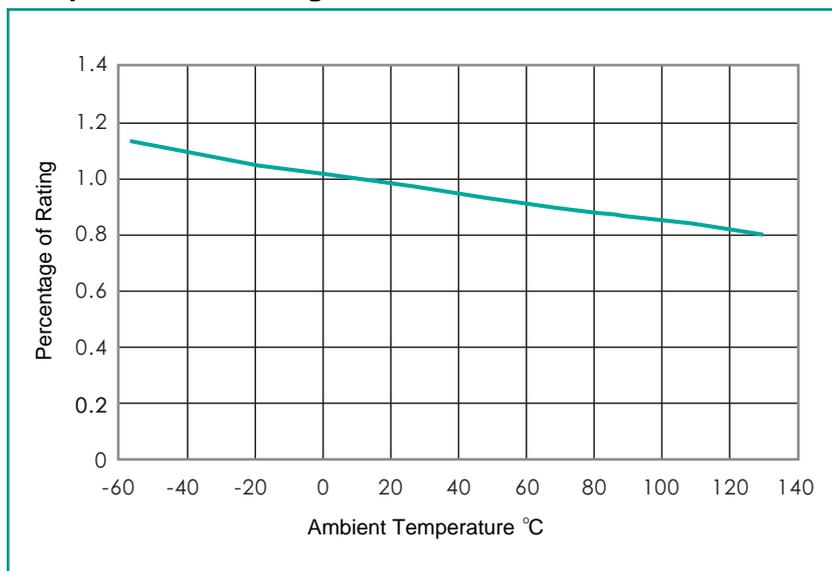
### Infrared Reflow

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

### Hand Soldering

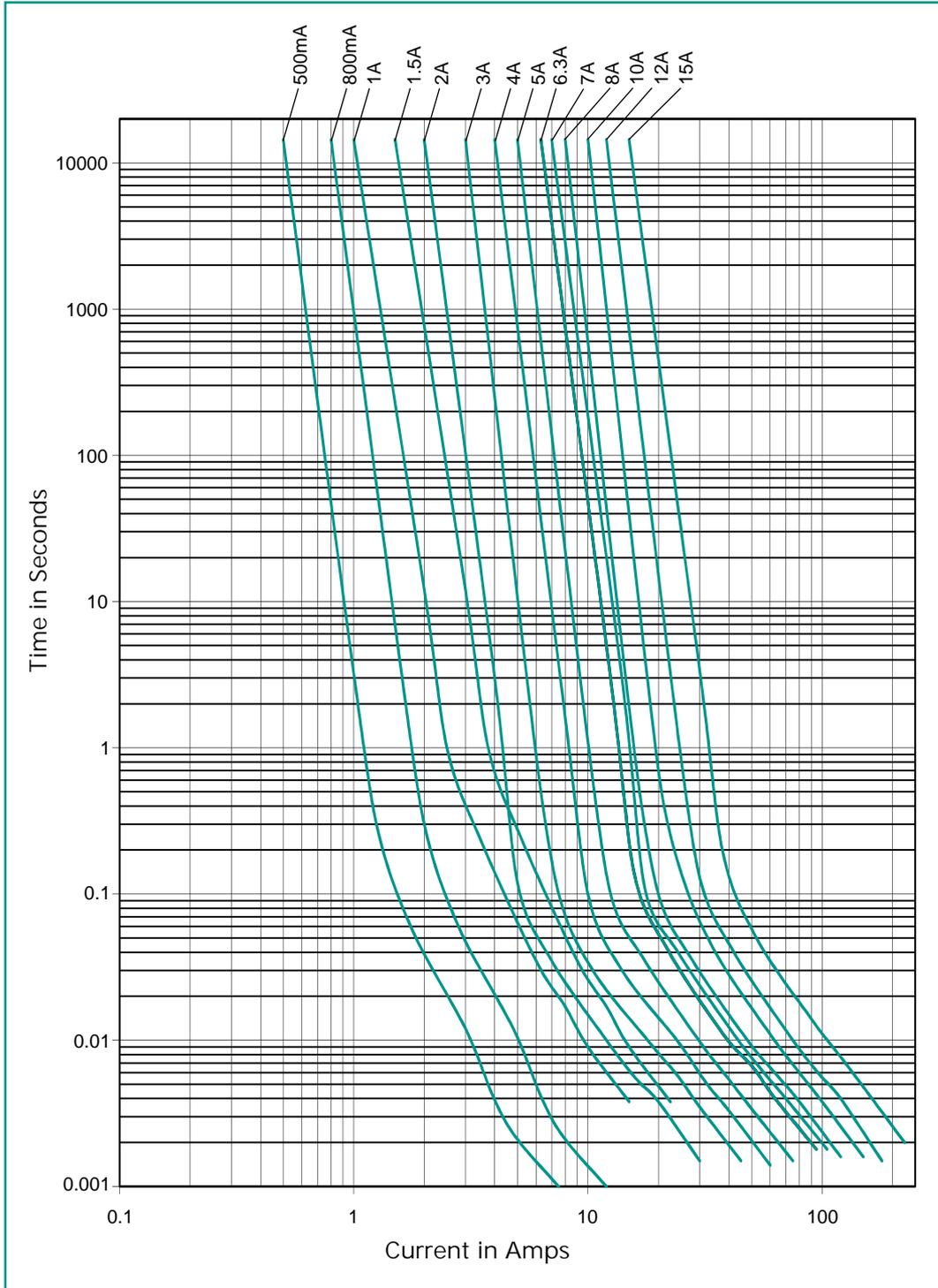
- Maximum tip temperature: 350°C
- Maximum soldering time: 5 seconds max

## 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

### Time Current Curves



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