

Description

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

Electrical Characteristics

% of Ampere Rating	Opening Time
100%	4 hours Min
200%	120 sec Max



Features

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

Applications

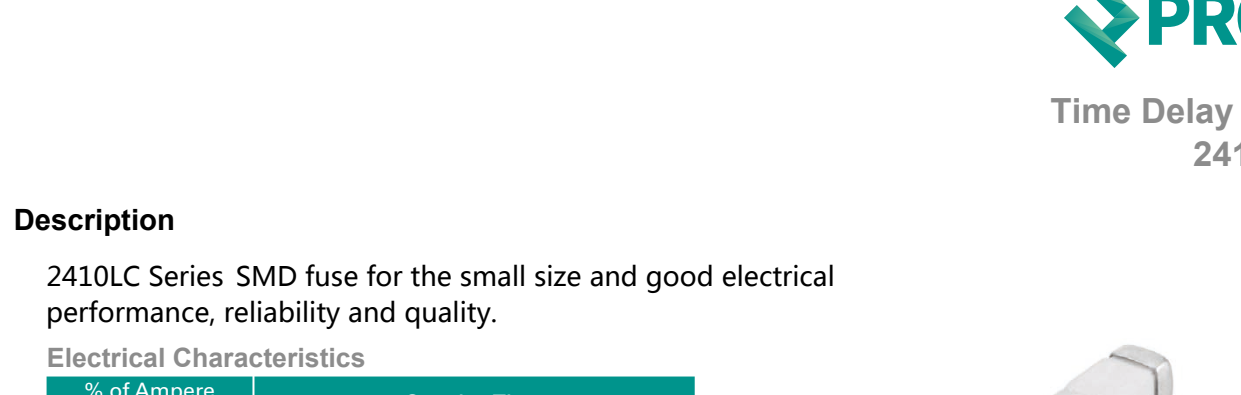
- AC adaptor
- Lighting ballast, LED Drivers
- Transformerless AC converter circuit
- Power distribution system

Specification

Product Code	Current Rating	Voltage Rating	Interrupting Rating	Resistance (Ohms) Typ	Typical Melting I ² t (A ² Sec)	Typical Voltage Drop
2410LC-R500	500mA	250VAC 125VDC	50A@250VAC 50A@125VDC	0.348	0.81	460 mV
2410LC-R750	750mA			0.276	1.83	400 mV
2410LC-1A	1A			0.117	3.10	372 mV
2410LC-1.5A	1.5A			0.072	7.00	304 mV
2410LC-2A	2A			0.050	8.90	236 mV

○ 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 I²t - Measured with a battery bank at Rated DC voltage, 10m-rated current, but not exceeding the interrupting rating, time constant of calibrated circuit less than 50 microseconds.

Dimension



Packaging 500mA-2A 1,000pcs/Tape and Reel

Soldering Characteristics

Wave Immersion

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

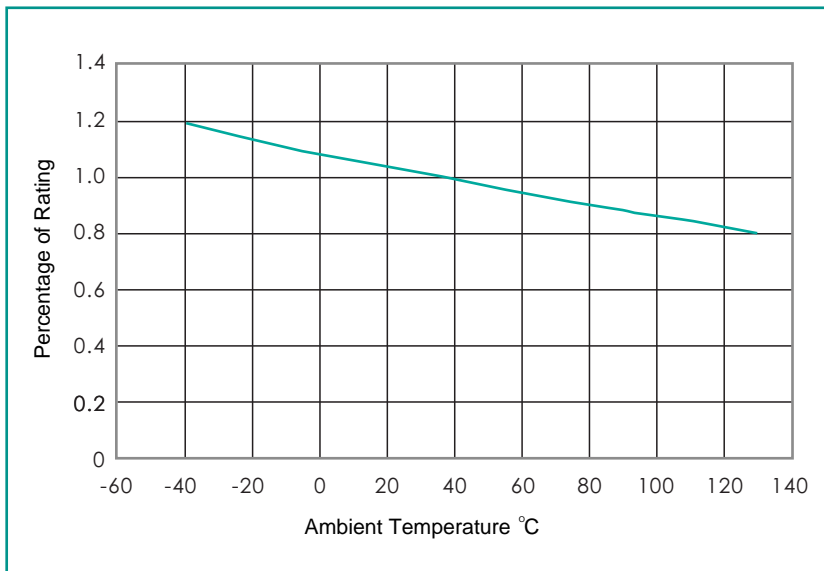
Infrared Reflow

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

Hand Soldering

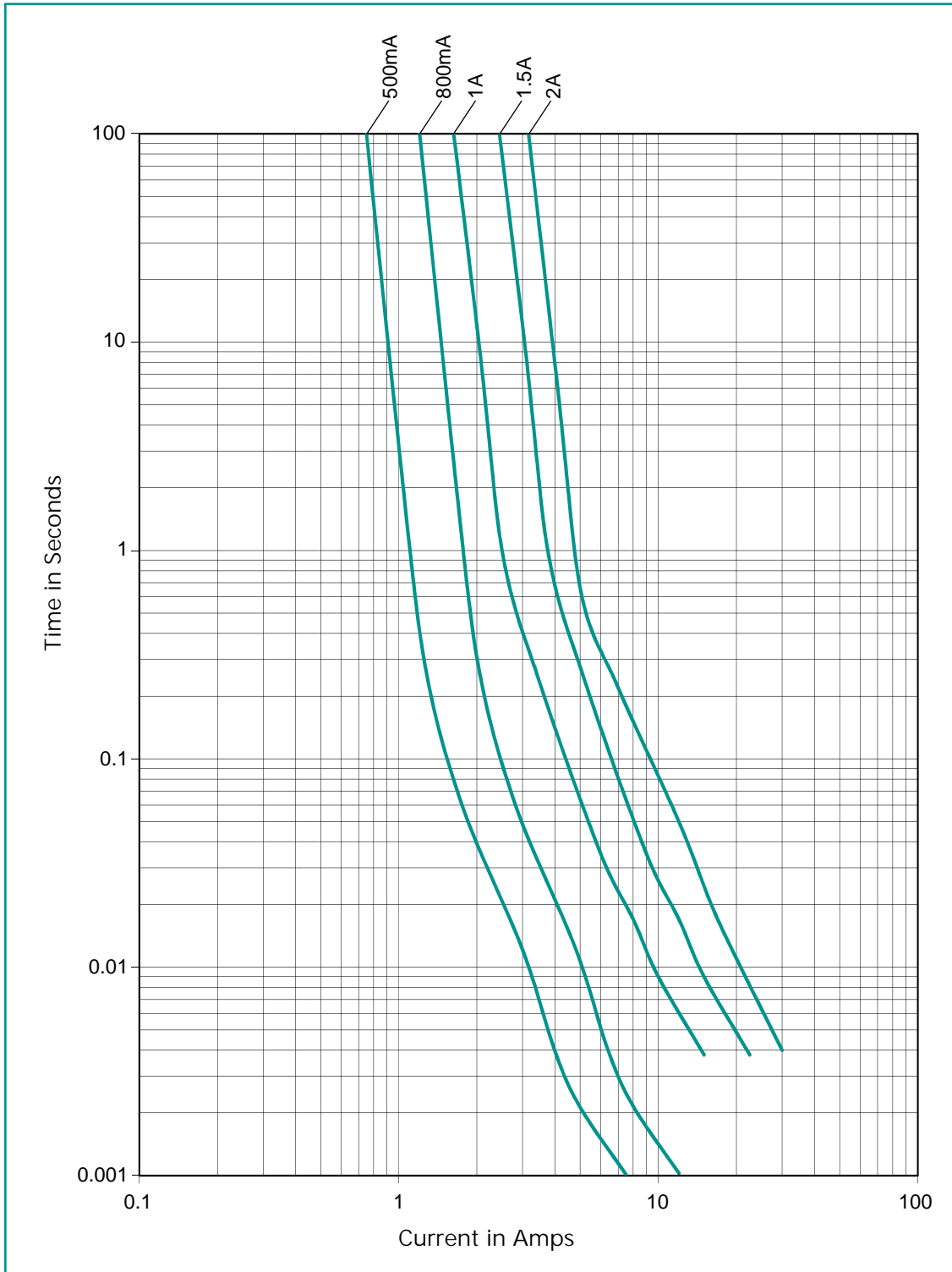
- Maximum tip temperature: 350°C
- Maximum soldering time: 5 seconds max

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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