PROSEMI

Time Delay SMD Fuses
2410LC Series

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

Appications

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

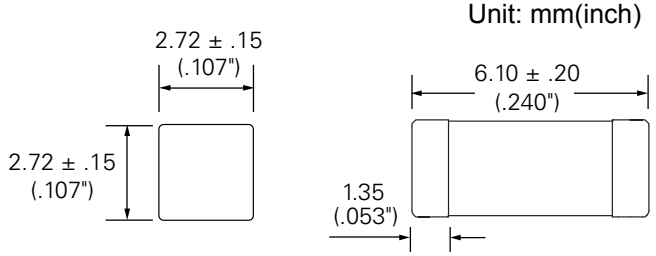
Specification

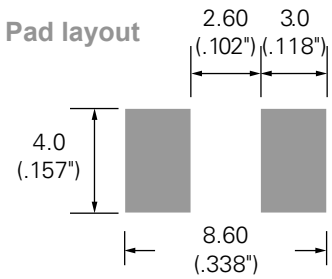
Product Code	Current Rating	Voltage Rating	Interrupting Rating	Resistance (ohms) Typ.	Typical Melting I^2t(A^2 Sec)	Typical Voltage Drop
2410LC-R500	500mA	250VAC 125VDC	50A@250VAC 50A@125VDC	0.348	0.81	460 mV
2410LC-R750	750mA			0.276	1.83	400 mV
2410LC-1A	1A			0.117	3.10	372 mV
2410LC-1.5A	1.5A			0.072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

Unit: mm(inch)





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

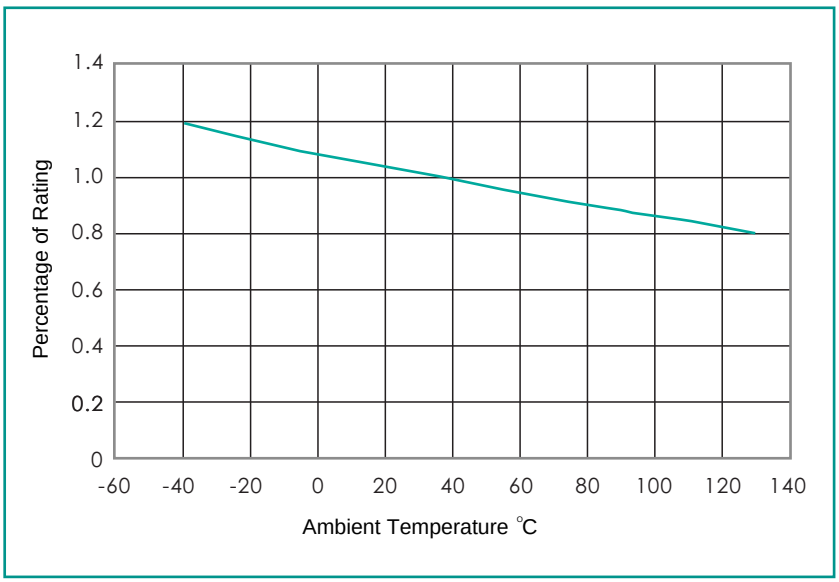
Soldering Characteristics

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℃± 2℃
- Operating Temperature: -55℃ to 125℃ with proper correction factor applied.
- Chart of correction factor

Time Current Curves