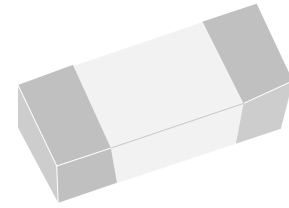


Time Delay SMD Fuses 2410BC-D Series

Descriptions

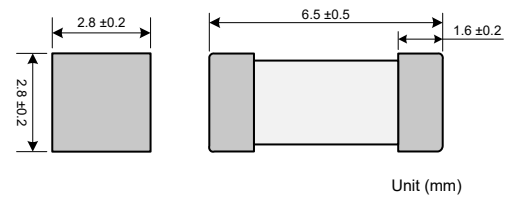
Chip Fuse devices are set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

2410BC-D SMD fuses for the small size and good electrical performance, reliability and quality.



Top View (2410BC-D)

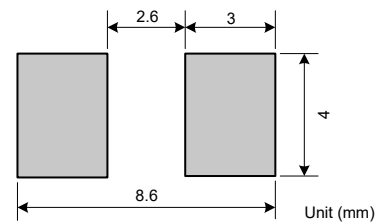
Product Dimensions



Features

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

Recommended land pattern



Electrical information (Tamb=25°C)

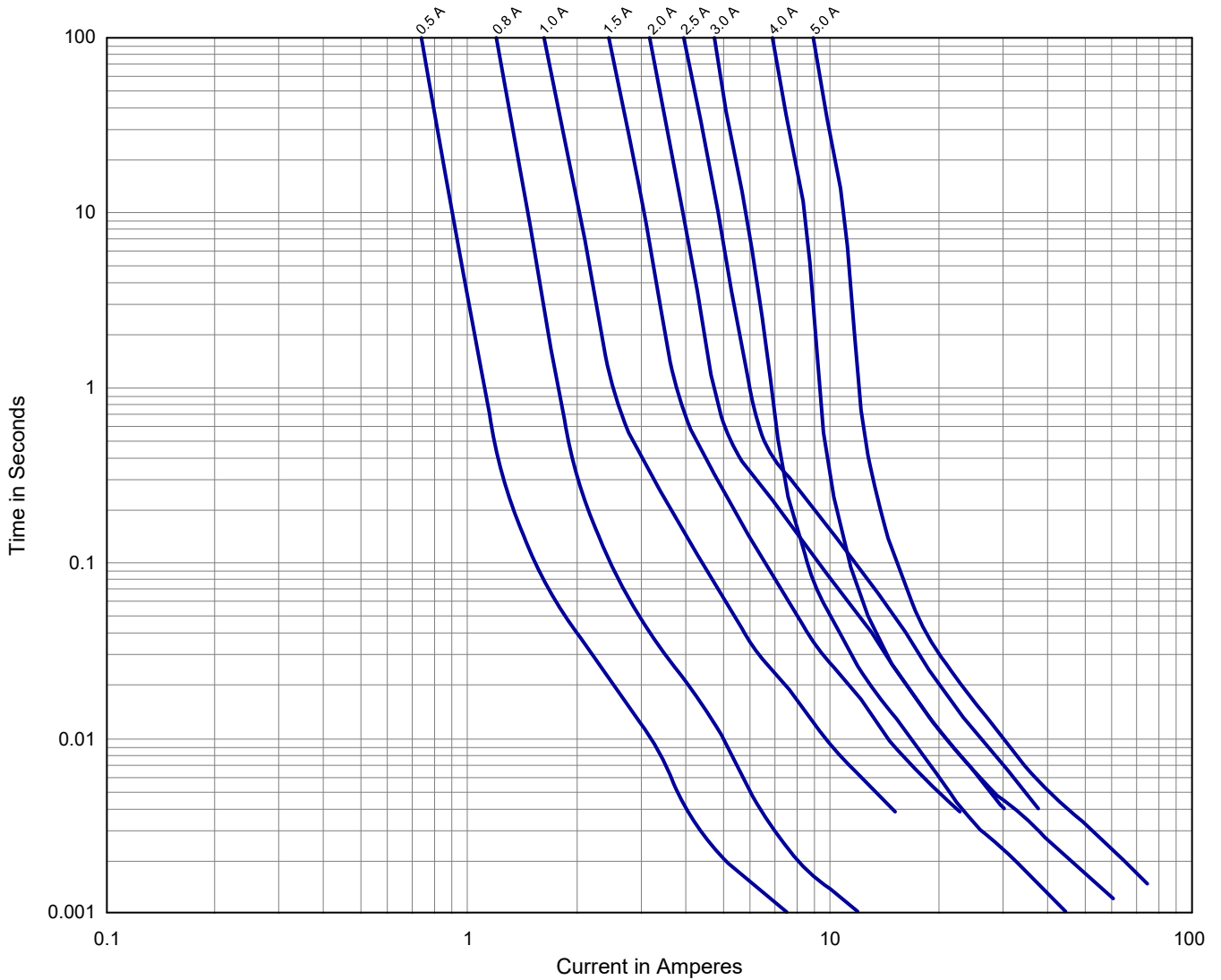
Part number	Rated Voltage	Rated Current	Breaking Capacity *	Typical Cold. Resistance *	Typical Voltage Drop	Typical Prearcing I ² t *
	AC (V)	(A)	@250V AC (A)	(mΩ)	(mV)	(A ² Sec)
2410BC250-0050D	250	0.50	100	620	460	0.053
2410BC250-0080D	250	0.80	100	350	400	0.54
2410BC250-0100D	250	1.00	100	273	370	0.85
2410BC250-0150D	250	1.50	100	188	300	0.83
2410BC250-0200D	250	2.00	100	90	233	3.2
2410BC250-0250D	250	2.50	100	27	145	2.0
2410BC250-0300D	250	3.00	100	23	83	2.6
2410BC250-0400D	250	4.00	100	15	78	4.0
2410BC250-0500D	250	5.00	100	10	63	8.0

* 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)

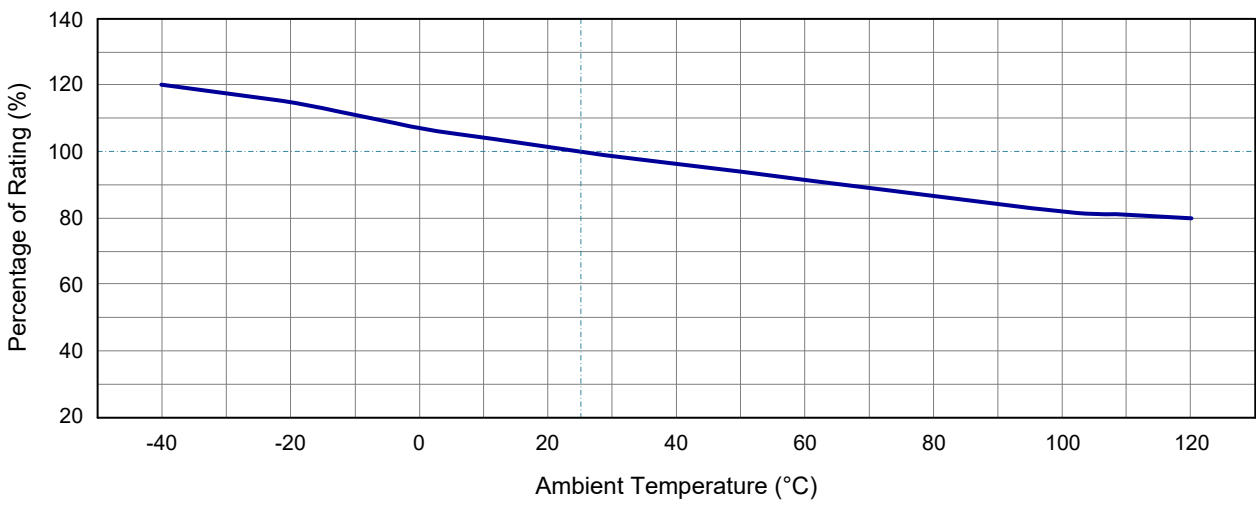
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 °C

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

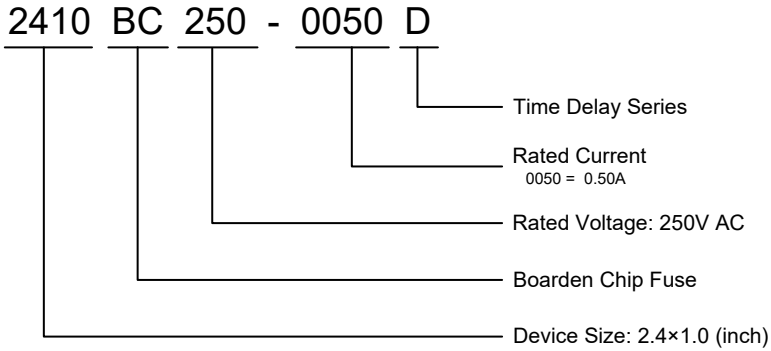
Time-Current Curves



Temperature Derating Curve



Part Numbering System

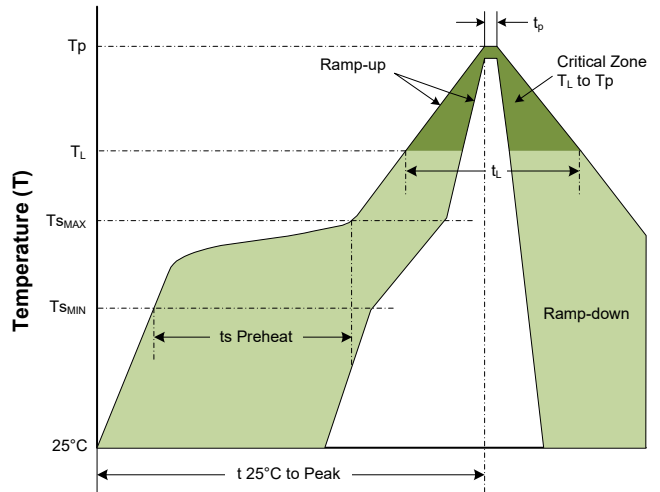


Order Information

Device	Quantity	Reel Size
2410BC-D Series	1000 pcs	7 Inch (178.0mm)

Soldering Parameters

Profile Feature	Lead-Free Assembly
Average Ramp-up Rate ($T_{S_{MAX}}$ to T_p) Average Ramp-down Rate (T_p to T_L)	3°C/second max. 6°C/second max.
Preheat • Temperature Min ($T_{S_{MIN}}$) • Temperature Max ($T_{S_{MAX}}$) • Time (t_s Preheat)	150°C 200°C 60-180 seconds
Time maintained above: • Temperature (T_L) • Time (t_L)	217°C 60-150 seconds
Peak/Classification Temperature • Temperature (T_p)	260 ^{+0/-5} °C
Time within 5°C of actual Peak Time (t_p)	20-40 seconds
Time 25°C to peak Temperature	8 minutes max
Do not exceed	280 °C



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