

Time Delay SMD Fuses 2410BC 125VAC/DC 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 SMD fuses for the small size and good electrical performance, reliability and quality.

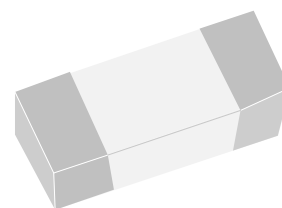
Electrical Characteristics		
Rated Current	1.0In	2.0In
0.5A~7A	4 hour minimum	120 sec maximum

Features

- Designed to UL 248-14
- High I²t Value withstand High In-Rush Current
- Compatible with reflow and wave soldering
- One time positive disconnect
- RoHS compliant

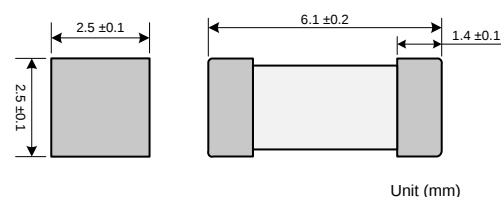
Electrical information (T_{amb}=25°C)

Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Pre-arcing I ² t *
	AC/DC (V)	(A)	125V AC/DC	(mΩ)	(A ² Sec)
2410BC125-0025D	125	0.25	50	820	0.145
2410BC125-0037D	125	0.375	50	650	0.18
2410BC125-0050D	125	0.50	50	340	0.8
2410BC125-0063D	125	0.63	50	285	1.0
2410BC125-0075D	125	0.75	50	275	1.7
2410BC125-0100D	125	1.0	50	115	3.0
2410BC125-0150D	125	1.5	50	72	7.2
2410BC125-0200D	125	2.0	50	46	9.0
2410BC125-0250D	125	2.5	50	33	16
2410BC125-0300D	125	3.0	50	25.6	19
2410BC125-0315D	125	3.15	50	24	20
2410BC125-0350D	125	3.5	50	18.5	40

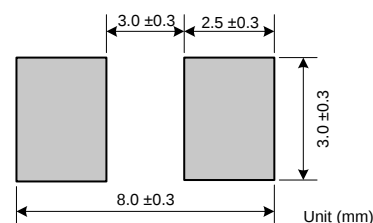


Top View (2410BC)

Product Dimensions



Recommended land pattern



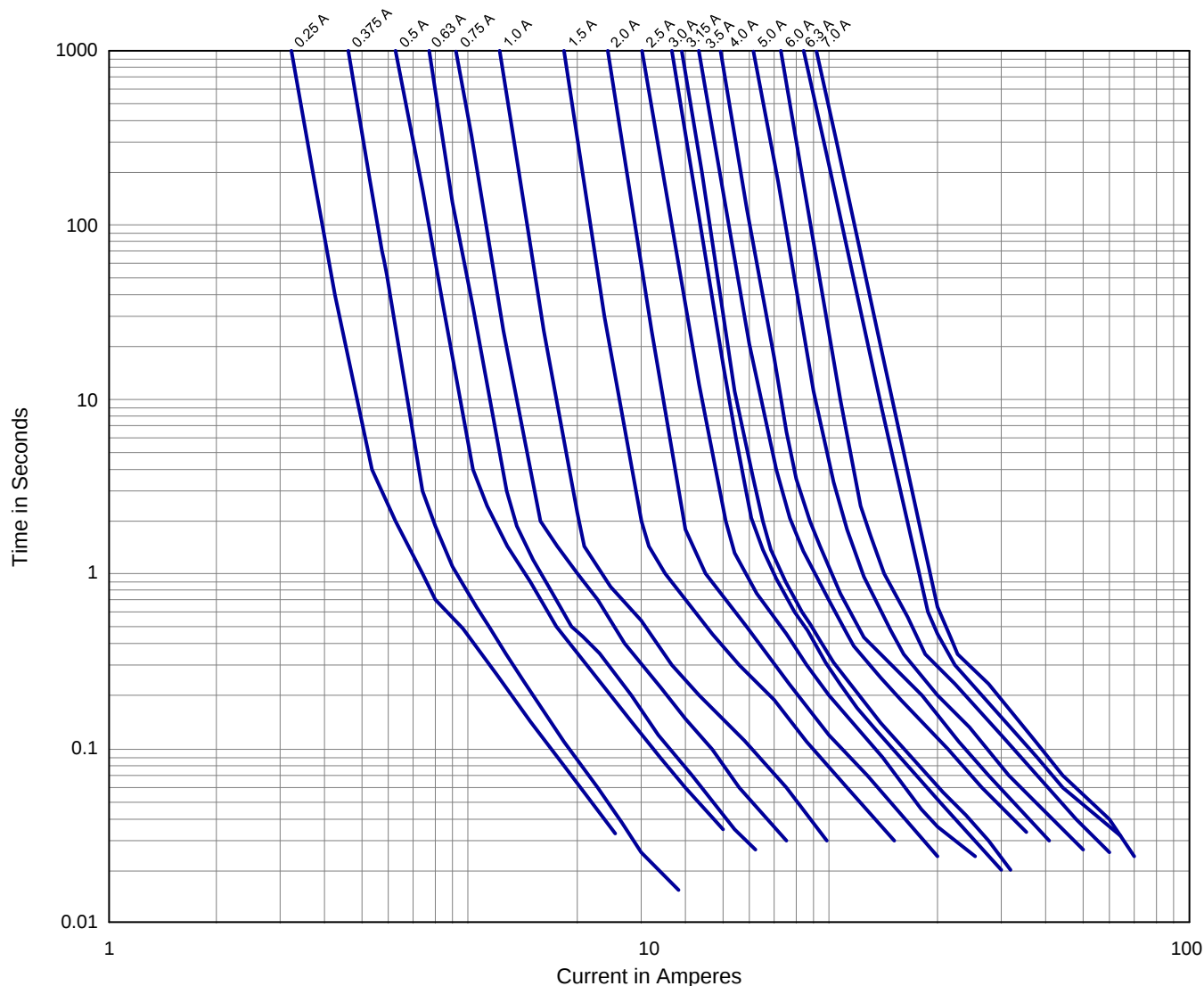
Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Pre-arcing I ² t *
	AC/DC (V)	(A)	125V AC/DC	(mΩ)	(A ² Sec)
2410BC125-0400D	125	4.0	50	16	50
2410BC125-0500D	125	5.0	50	13.8	65
2410BC125-0600D	125	6.0	50	11	90
2410BC125-0630D	125	6.3	50	8.8	118
2410BC125-0700D	125	7.0	50	8.4	120

* 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)

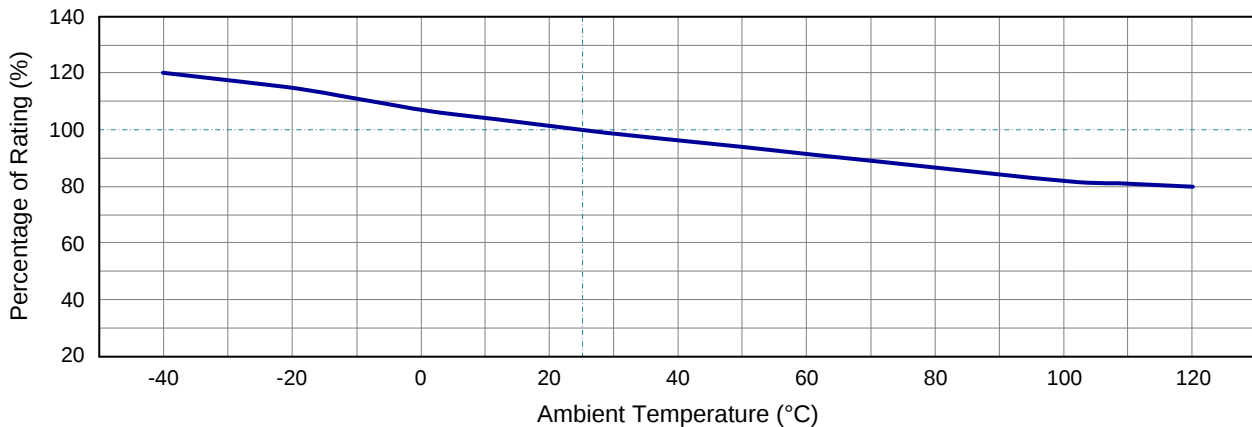
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 °C

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

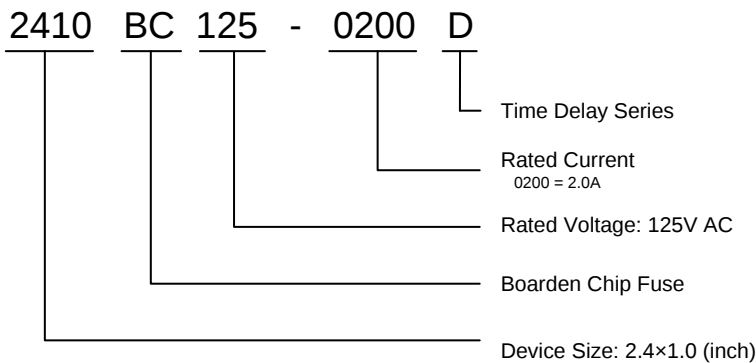
Time-Current Curves



Temperature Derating Curve



Part Numbering System

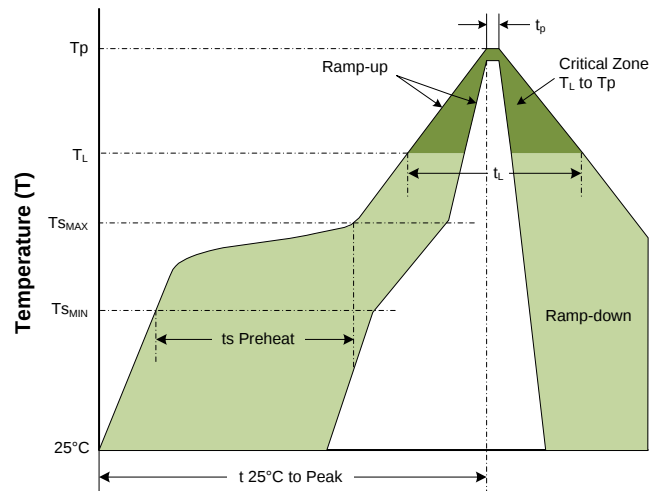


Order Information

Device	Quantity	Reel Size
2410BC125-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



© 2017 Boarden Electronics Ltd.
Specifications are subject to change without notice.

Website: www.boarden.com.cn
Tel: 86-21-61401058
Fax: 86-21-61730538