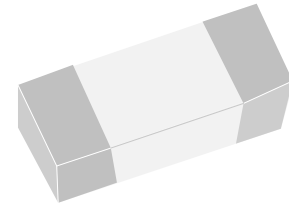


Fast Acting SMD Fuses 2410BC-N Series

Descriptions

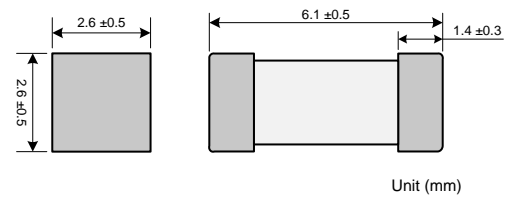
Chip Fuse devices are set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.

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

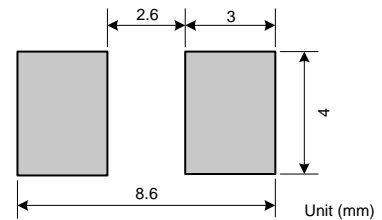


Top View (2410BC-N)

Product Dimensions



Recommended land pattern



Electrical Characteristics		
Rated Current	1.0In	2.0In
0.5-1.5A	4 hour min	120 sec max
2A-15A	4 hour min	5 sec max

Features

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

Electrical information (Tamb=25°C)

Part number	Rated Voltage	Rated Current	Breaking Capacity *	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arcing I ² t *
	AC/DC(V)	(A)	@125V AC/DC (A)	(mΩ)	(mV)	(A ² Sec)
2410BC250-0050D	125	0.50	50	600	410	0.053
2410BC250-0080D	125	0.80	50	306	370	0.51
2410BC250-0100D	125	1.00	50	256	360	0.85
2410BC250-0150D	125	1.50	50	188	300	0.83
2410BC250-0200D	125	2.00	50	27.9	96	1
2410BC250-0300D	125	3.00	50	17.8	86	3
2410BC250-0400D	125	4.00	50	12.9	85	5
2410BC250-0500D	125	5.00	50	10.2	81	7
2410BC250-0630D	125	6.30	50	7.93	80	12

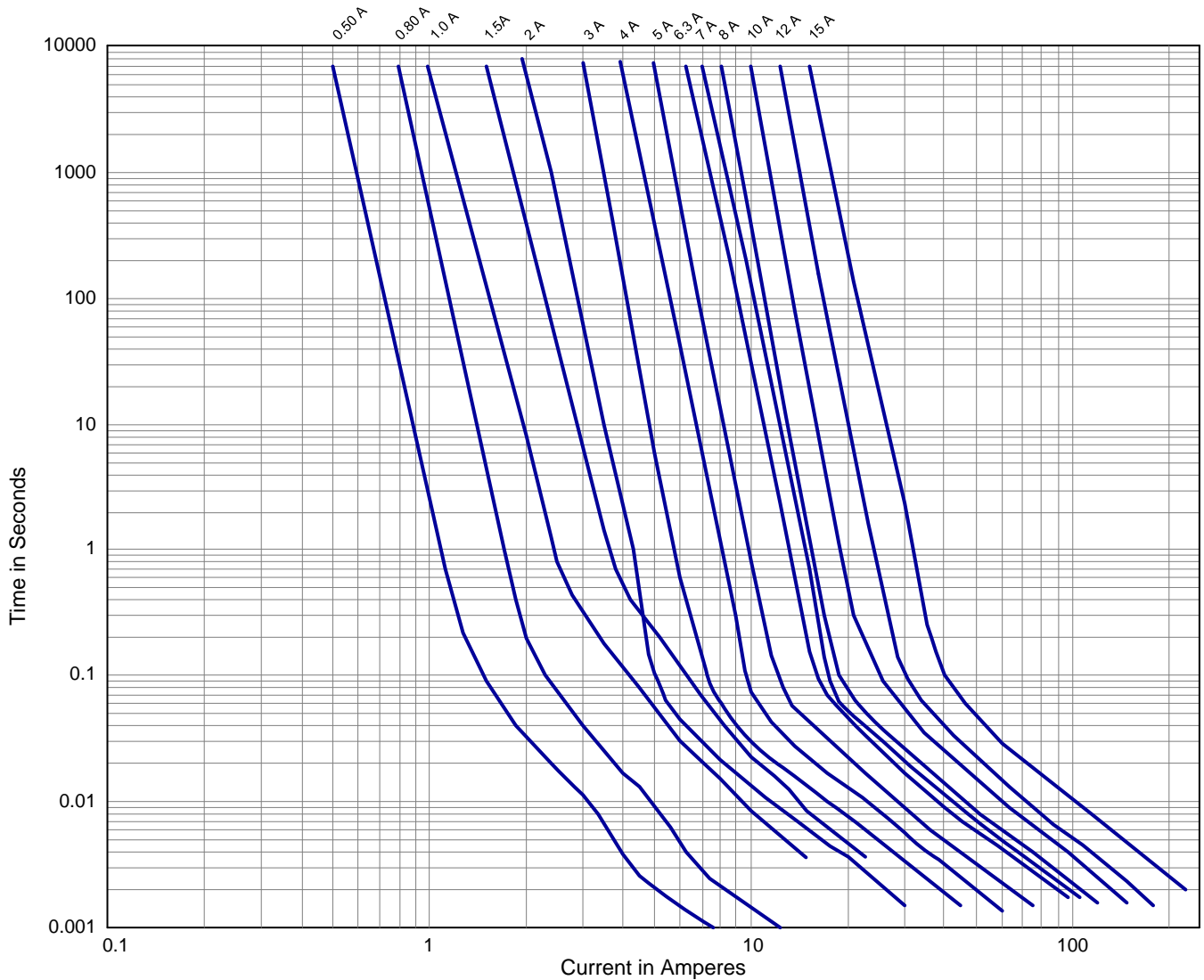
Part number	Rated Voltage	Rated Current	Breaking Capacity *	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arcing I^2t *
	AC/DC(V)	(A)	@125V AC/DC (A)	(mΩ)	(mV)	(A ² Sec)
2410BC250-0700D	125	7.0	50	7.23	80	19
2410BC250-0800D	125	8.0	50	6.39	78	23
2410BC250-1000D	125	10.0	50	4.6	77	35
2410BC250-1200D	125	12.0	50	4.08	76	55
2410BC250-1500D	125	15.0	50	3.15	75	98

* 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)

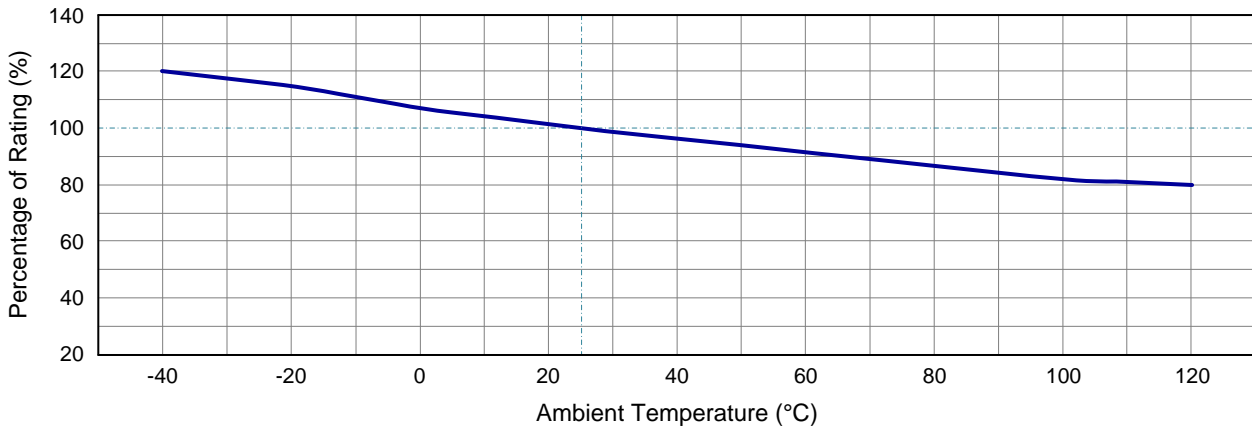
* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 °C

* Typical Pre-arching I^2t are measured at 10In Current

Time-Current Curves

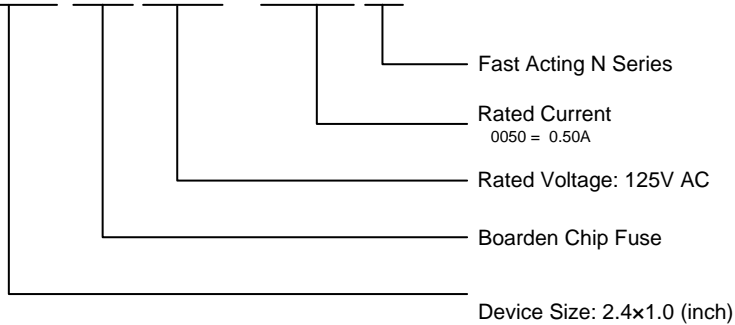


Temperature Derating Curve



Part Numbering System

2410 BC 125 - 0050 N

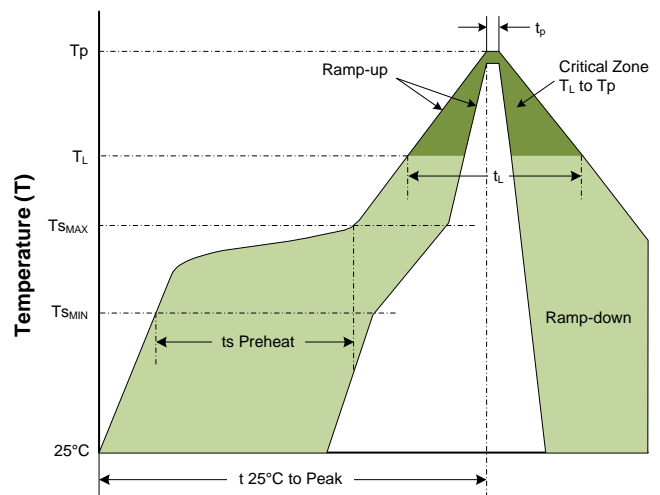


Order Information

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

Soldering Parameters

Profile Feature	Lead-Free Assembly
Average Ramp-up Rate (T _S MAX to T _p)	3°C/second max.
Average Ramp-down Rate (T _p to T _L)	6°C/second max.
Preheat	
• Temperature Min (T _S MIN)	150°C
• Temperature Max (T _S MAX)	200°C
• Time (t _s Preheat)	60-180 seconds
Time maintained above:	
• Temperature (T _L)	217°C
• Time (t _L)	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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