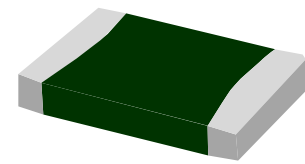
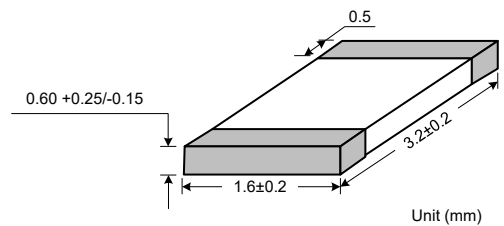


**Fast Acting Line Voltage SMD Fuses 1206BC-E Series**
**Descriptions**

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.

1206BC SMD fuse s for the small size and good electrical performance, reliability and quality.

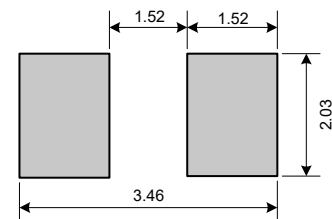
Electrical Characteristics		
Rated Current	1.0In	2.5In
250mA~5A	4 hour min.	5 sec max.


**Top View (1206BC)**
**Product Dimensions**


Unit (mm)

**Features**

- AEC-Q200 Automotive Grade Certified
- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Ceramic and glass construction
- One time positive disconnect
- Lead Free and Halogen free material

**Recommended land pattern**


Unit (mm)

**Electrical information (Tamb=25°C)**

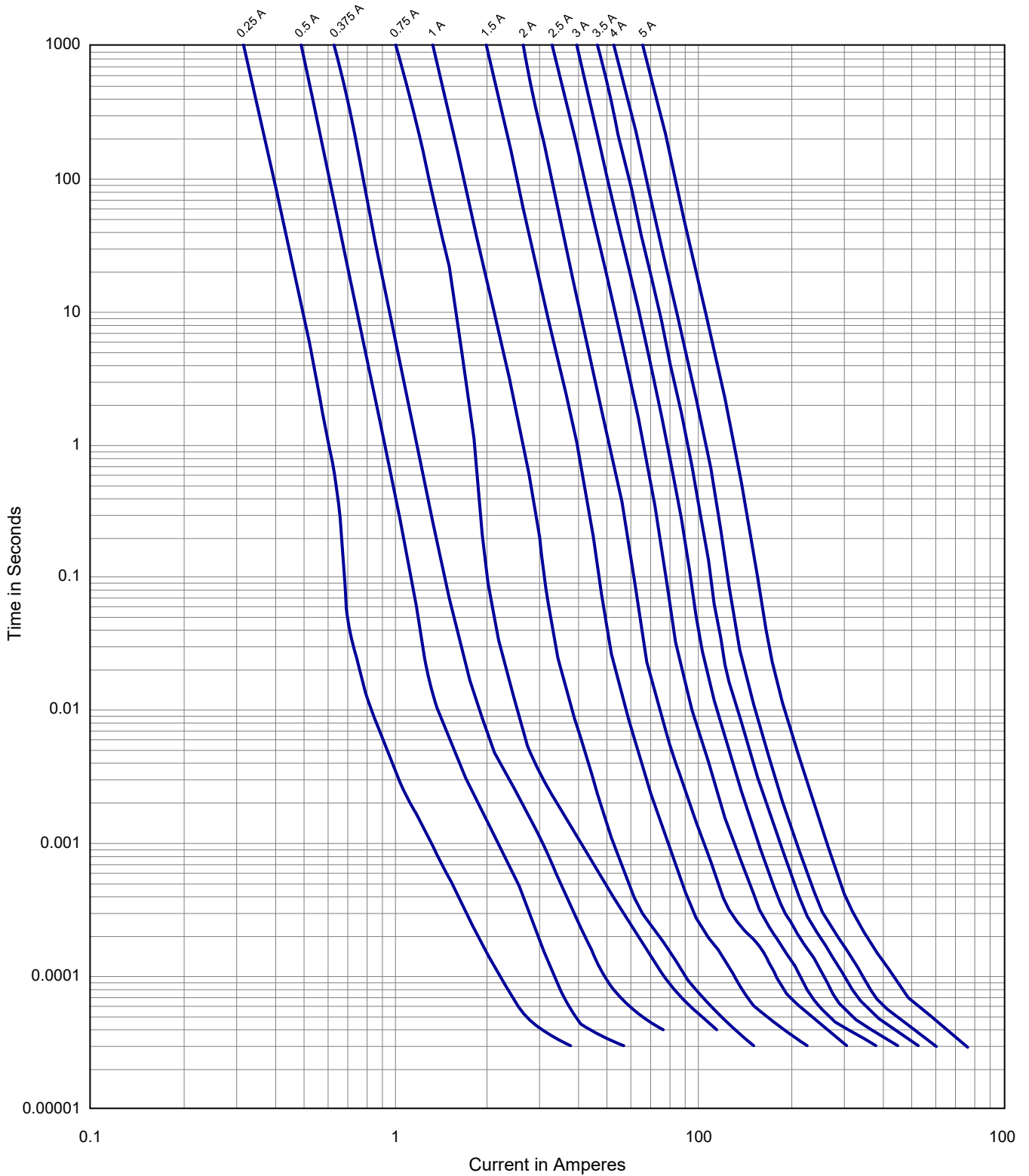
Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold Resistance *	Typical Voltage Drop	Typical Pre-arcing I <sup>2</sup> t *
	DC (V)	(A)	72V DC	(mΩ)	(mV)	(A <sup>2</sup> Sec)
1206BC125-0025E	125	0.25	50	3608	1407	0.0004
1206BC125-0037E	125	0.375	50	1882	718	0.0008
1206BC125-0050E	125	0.5	50	1028	650	0.0022
1206BC125-0075E	125	0.75	50	601	616	0.0057
1206BC125-0100E	125	1	50	240	300	0.0075
1206BC125-0150E	125	1.5	50	160	245	0.013
1206BC125-0200E	125	2	50	80	200	0.04
1206BC125-0250E	125	2.5	50	51	140	0.045
1206BC125-0300E	125	3	50	32	130	0.065
1206BC72-0350E	72	3.5	50	25	120	0.075
1206BC72-0400E	72	4	50	20	110	0.105
1206BC72-0500E	72	5	50	15	100	0.185

\* DC Interrupting Rating (measured at designated voltage, time constant of less than 50 microseconds, battery source)

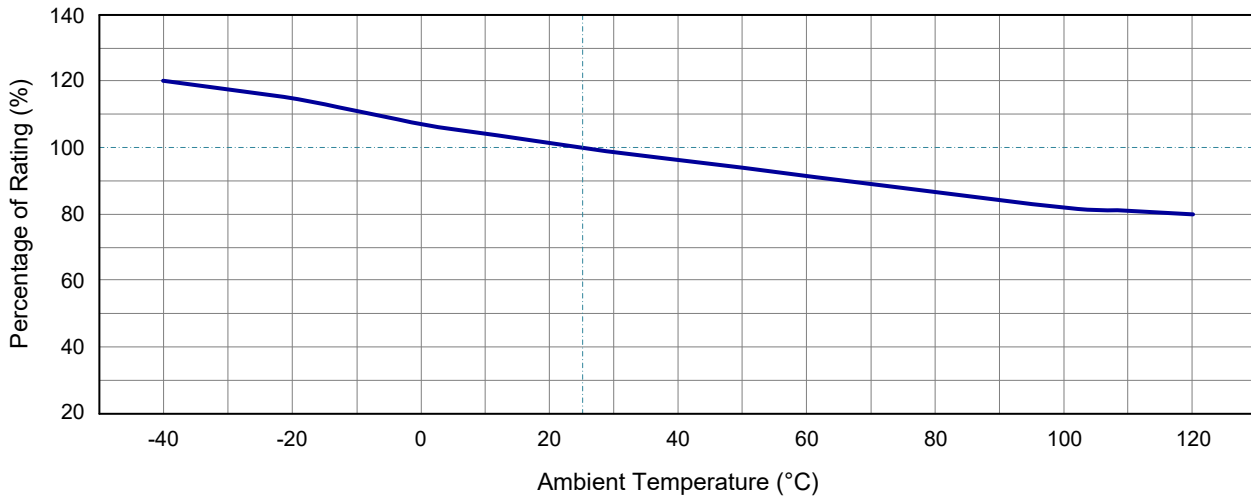
\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25 °C

\* Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

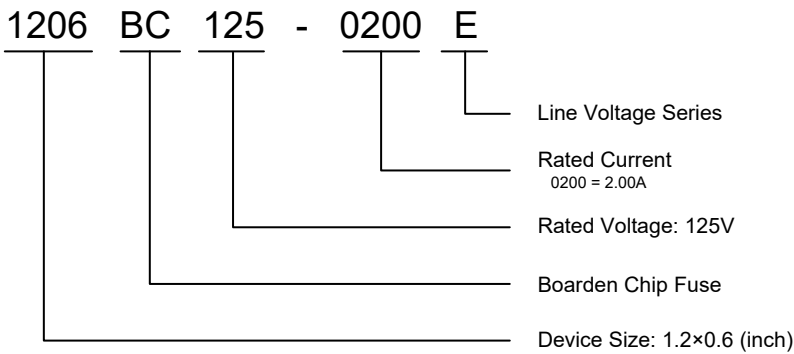
**Time-Current Curves**



### Temperature Derating Curve



### Part Numbering System

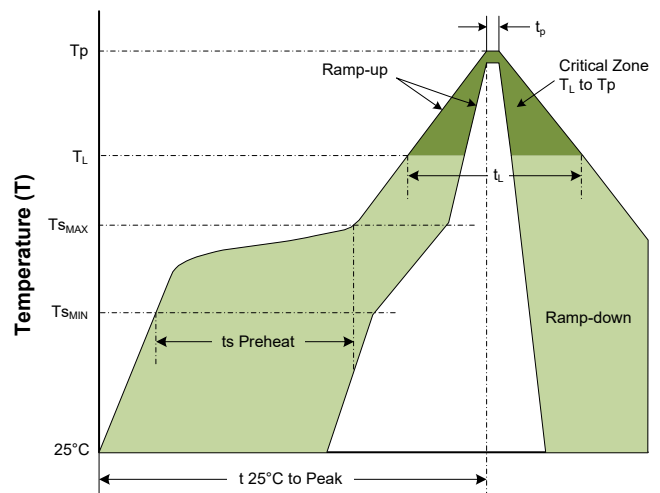


### Order Information

Device	Quantity	Reel Size
1206BC-E Series	3000 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.
<b>Preheat</b> • Temperature Min ( $T_{S_{MIN}}$ ) • Temperature Max ( $T_{S_{MAX}}$ ) • Time ( $t_s$ Preheat)	150°C 200°C 60-180 seconds
<b>Time maintained above:</b> • Temperature ( $T_L$ ) • Time ( $t_L$ )	217°C 60-150 seconds
<b>Peak/Classification Temperature</b> • Temperature ( $T_p$ )	260 <sup>+0/-5</sup> °C
<b>Time within 5°C of actual Peak</b> Time ( $t_p$ )	20-40 seconds
<b>Time 25°C to peak Temperature</b>	8 minutes max
<b>Do not exceed</b>	280 °C



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