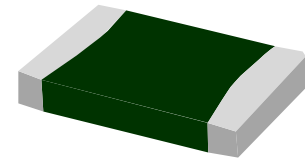


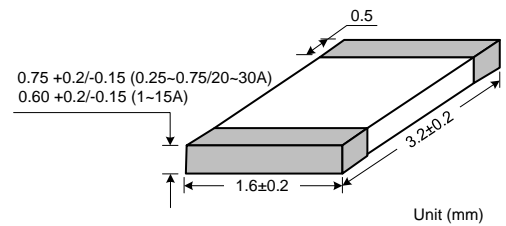
Fast Acting SMD Fuses 1206BC Series
Descriptions

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.

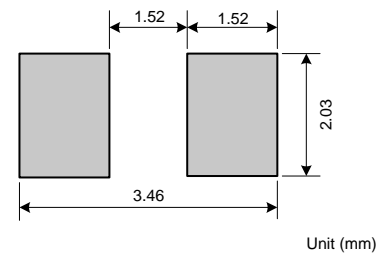
1206BC SMD fuse s for the small size and good electrical performance, reliability and quality.


Top View (1206BC)

Electrical Characteristics			
Rated Current	1.0In	2.5In	3.5In
250mA~5A	4 hour min.	5 sec max.	-
6A~30A		-	5 sec max.

Product Dimensions

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

Electrical information (Tamb=25°C)

Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arcing I ² t *
	DC (V)	(A)	72V DC	(mΩ)	(mV)	(A ² Sec)
1206BC72-0025	72	0.25	50	3608	1407	0.0004
1206BC72-0037	72	0.375	50	1882	718	0.0008
1206BC72-0050	72	0.50	50	1028	650	0.0022
1206BC72-0075	72	0.75	50	601	616	0.0057
1206BC72-0100	72	1.00	50	490	510	0.10
1206BC72-0150	72	1.50	50	240	367	0.15
1206BC72-0200	72	2.00	50	144	316	0.41
1206BC72-0250	72	2.50	50	83	240	0.65
1206BC72-0300	72	3.00	50	53	187	1.39
1206BC72-0350	72	3.50	50	40	180	1.68
1206BC72-0400	72	4.00	50	35	173	1.73

Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arcing I ² t *
	DC (V)	(A)	63V DC	(mΩ)	(mV)	(A ² Sec)
1206BC63-0025	63	0.25	50	3608	1407	0.0004
1206BC63-0037	63	0.375	50	1882	718	0.0008
1206BC63-0050	63	0.50	50	1028	650	0.0022
1206BC63-0075	63	0.75	50	601	616	0.0057
1206BC63-0100	63	1.00	50	490	510	0.10
1206BC63-0150	63	1.50	50	240	367	0.15
1206BC63-0200	63	2.00	50	144	316	0.41
1206BC63-0250	63	2.50	50	83	240	0.65
1206BC63-0300	63	3.00	50	53	187	1.39
1206BC63-0350	63	3.50	50	40	180	1.68
1206BC63-0400	63	4.00	50	35	173	1.73

Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arcing I ² t *
	DC (V)	(A)	32V DC	(mΩ)	(mV)	(A ² Sec)
1206BC32-0025	32	0.25	50	3608	1407	0.0004
1206BC32-0037	32	0.375	50	1882	718	0.0008
1206BC32-0050	32	0.50	50	1028	650	0.0022
1206BC32-0075	32	0.75	50	601	616	0.0057
1206BC32-0100	32	1.00	50	490	510	0.10
1206BC32-0150	32	1.50	50	240	367	0.15
1206BC32-0200	32	2.00	50	144	316	0.41
1206BC32-0250	32	2.50	50	83	240	0.65
1206BC32-0300	32	3.00	50	53	187	1.39
1206BC32-0350	32	3.50	50	40	180	1.68
1206BC32-0400	32	4.00	50	35	173	1.73
1206BC32-0450	32	4.50	50	27	164	2.62
1206BC32-0500	32	5.00	50	22	141	2.89
1206BC32-0700	32	7.00	50	12	140	5.68
1206BC32-0800	32	8.00	150	8.5	110	8
1206BC32-1000	32	10.0	150	7	100	9.5
1206BC32-1200	32	12.0	150	5	85	11.5
1206BC32-1500	32	15.0	150	3.5	78	16.5
1206BC32-2000	32	20.0	150	1.6	60	47.17
1206BC32-2500	32	25.0	150	1.4	57	32
1206BC32-3000	32	30.0	150	1	68	43

Part number	Rated Voltage	Rated Current	Breaking Capacity * (A)	Typical Cold. Resistance *	Typical Voltage Drop	Typical Pre-arching I ² t *
	DC (V)	(A)	24V DC	(mΩ)	(mV)	(A ² Sec)
1206BC24-0025	24	0.25	300	3608	1407	0.0004
1206BC24-0037	24	0.375	300	1882	718	0.0008
1206BC24-0050	24	0.50	300	1028	650	0.0022
1206BC24-0075	24	0.75	300	601	616	0.0057
1206BC24-0100	24	1.00	300	490	510	0.10
1206BC24-0150	24	1.50	300	240	367	0.15
1206BC24-0200	24	2.00	300	144	316	0.41
1206BC24-0250	24	2.50	300	83	240	0.65
1206BC24-0300	24	3.00	300	53	187	1.39
1206BC24-0350	24	3.50	300	40	180	1.68
1206BC24-0400	24	4.00	300	35	173	1.73
1206BC24-0450	24	4.50	300	27	164	2.62
1206BC24-0500	24	5.00	300	22	141	2.89
1206BC24-0700	24	7.00	300	12	140	5.68
1206BC24-0800	24	8.00	300	8.5	110	8
1206BC24-1000	24	10.0	300	7	100	9.5
1206BC24-1200	24	12.0	300	5	85	11.5
1206BC24-1500	24	15.0	300	3.5	78	16.5
1206BC24-2000	24	20.0	300	1.6	60	47.17
1206BC24-2500	24	25.0	300	1.4	57	32
1206BC24-3000	24	30.0	300	1	68	43

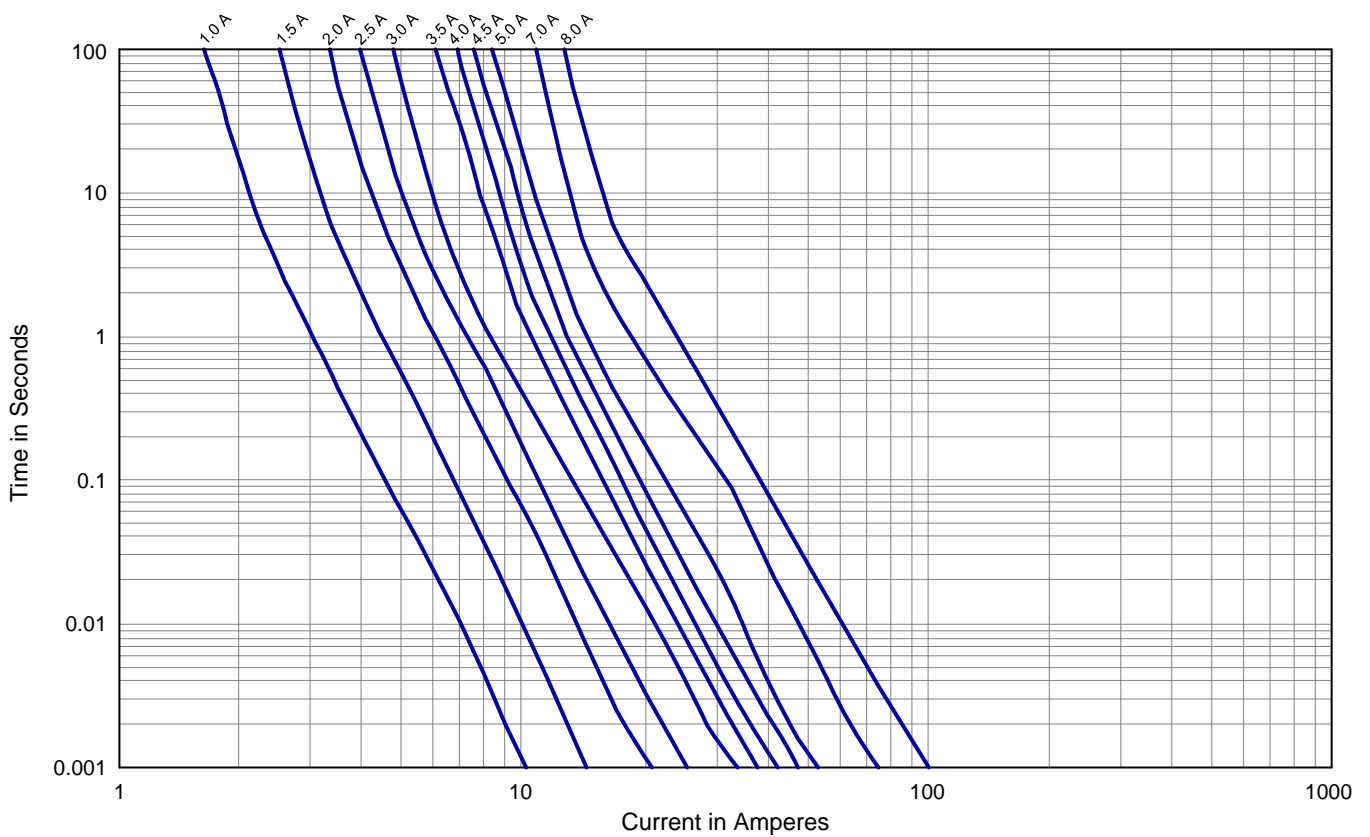
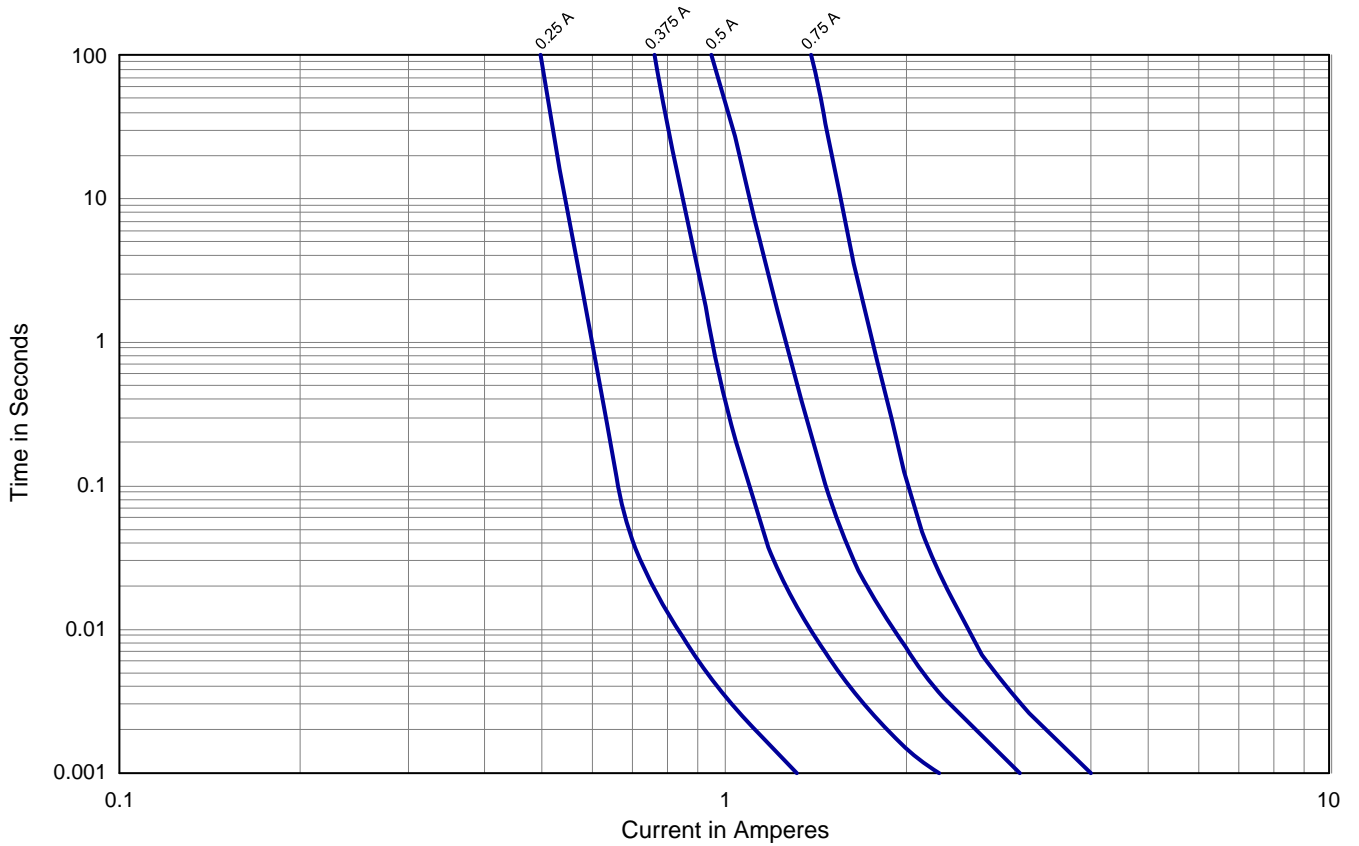
* DC Interrupting Rating (measured at designated voltage, time constant of less than 50 microseconds, battery source)

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

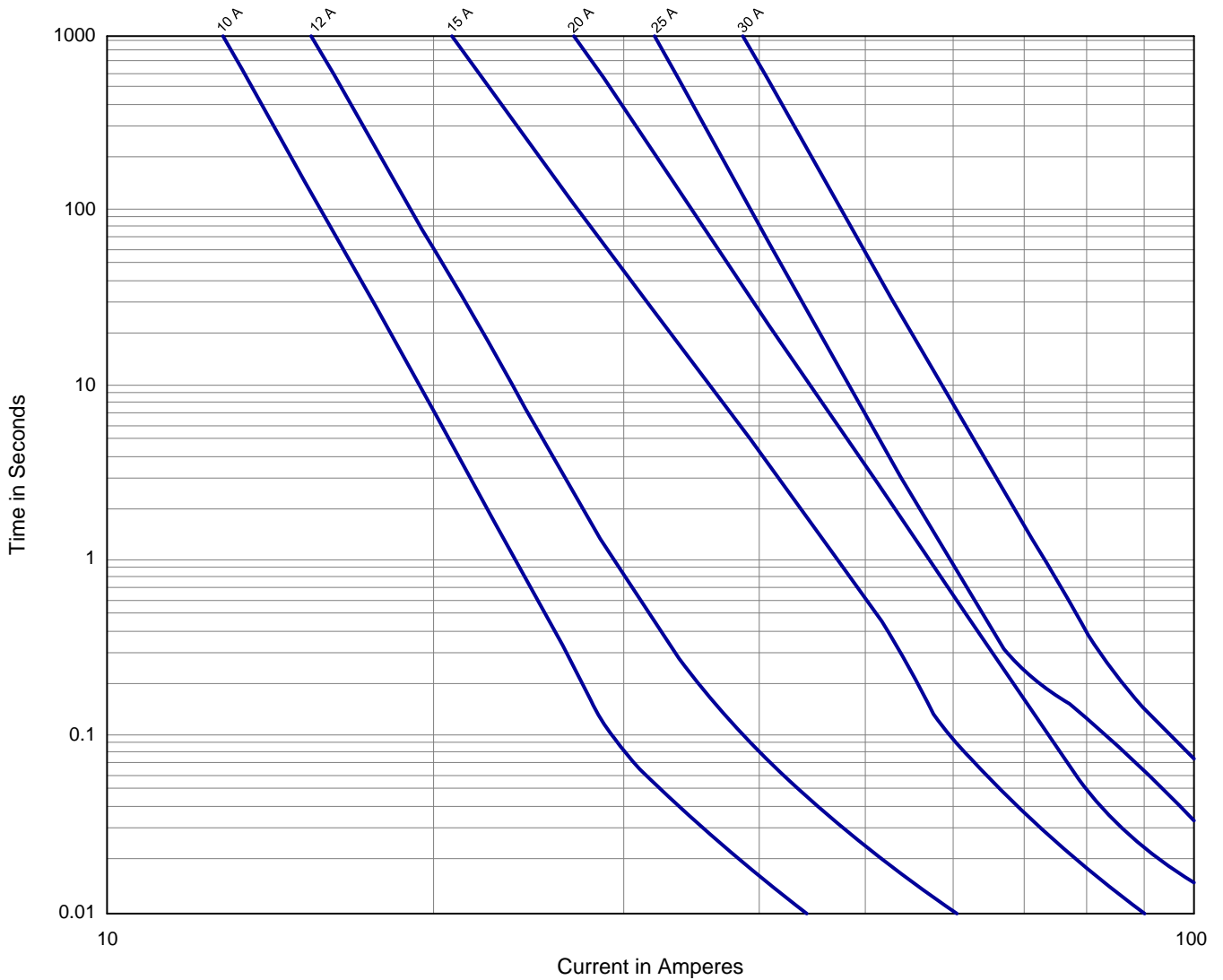
* Typical Pre-arching I²t are measured at 10In Current

* UL approval for 8-30A @ 32Vdc is pending

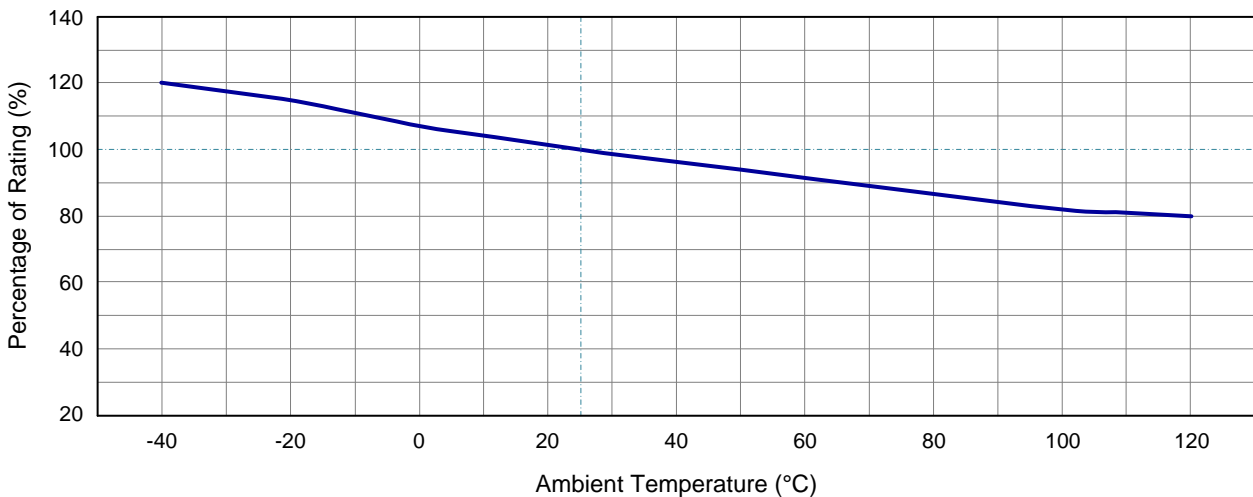
Time-Current Curves



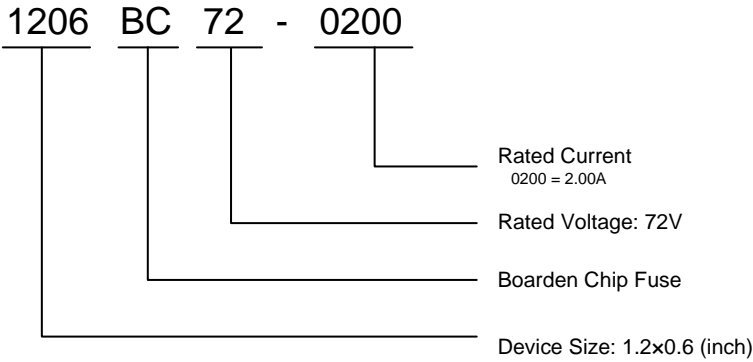
Time-Current Curves



Temperature Derating Curve



Part Numbering System

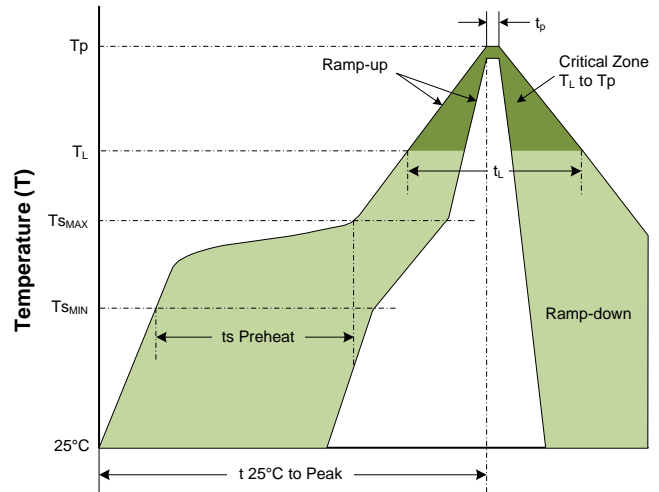


Order Information

Device	Quantity	Reel Size
1206BC 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.
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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