

## 1206 Fast Acting Line Voltage SMD Fuses

### 12.300 Series



### Description

12.300 Series are the fuses 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.



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

### Features

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Excellent environmental integrity
- One time positive disconnect
- Lead Free and Halogen free material

### Specifications

Part No.	Rated Voltage		Rated Current (A)	Breaking Capacity (A) AC/DC	Typical Cold. Resistance (mOhms) <sup>2</sup>	Typical Voltage Drop (mV)	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) <sup>3</sup>			
	AC	DC					AC	DC		
12.300.0.25	125V	125V	250mA	50A	3608	1407	0.0002	0.0004		
12.300.0.375			375mA	50A	1882	718	0.0012	0.0008		
12.300.0.5			500mA	50A	1028	650	0.0016	0.0022		
12.300.0.75			750mA	50A	601	616	0.0039	0.0057		
12.300.1			1A	50A	203	204	0.0134	0.03		
12.300.1.25			1.25A	50A	165	184	0.037	0.04		
12.300.1.5			1.5A	50A	116	175	0.046	0.09		
12.300.1.6			1.6A	50A	80	150	-	0.1		
12.300.2			2A	50A	70	145	-	0.126		
12.300.2.5			2.5A	50A	51	140	-	0.23		
12.300.3			3A	50A	32	130	-	0.25		
12.300.3.5			72V	72V	3.5A	50A	25	120	-	0.28
12.300.4					4A	50A	20	110	-	0.35
12.300.5					5A	50A	14.8	90	-	0.77

\* DC Interrupting Rating (Measured at rated 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

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

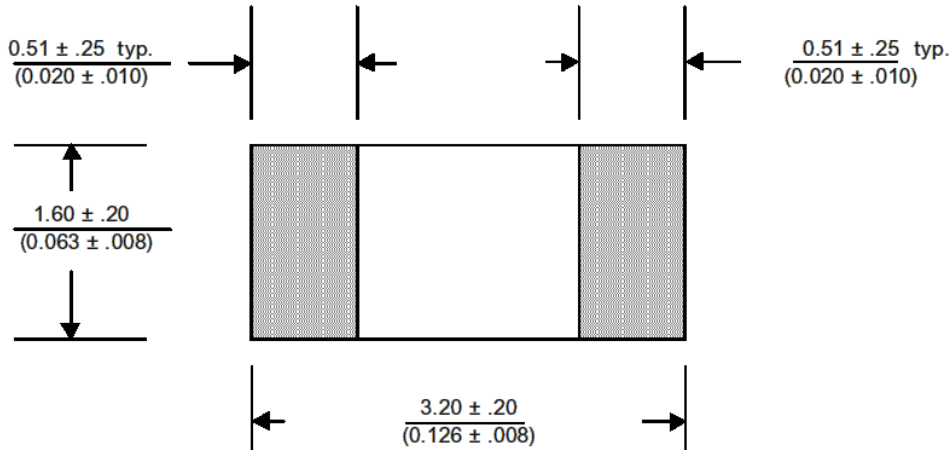
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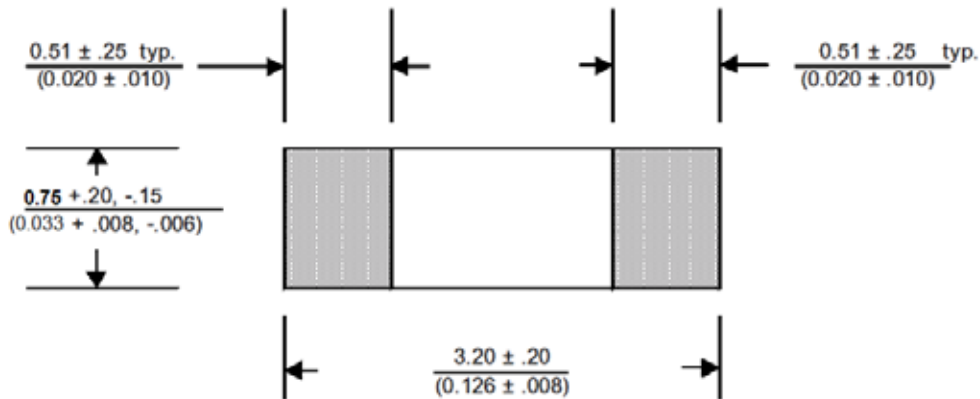
### Dimension

Drawing not to scale (Unit: mm)

#### Top view



#### Side view



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