

# **Features**

- Slow blow fusing speed
- EIA 1206 (3216 metric) footprint
- AEC-Q200 compliant\*
- UL 248-14 listed
- RoHS compliant\*\* and halogen free\*\*\*

# SF-1206SA-W Series - Automotive Grade Slow Blow SMD Fuses

## **Clearing Time Characteristics for Series**

% of Current	Clearing Time @ 25 °C		
Rating	Min.	Max.	
100 %	4 hours	_	
250 %	_	5 seconds	

#### **Additional Information**

Click these links for more information:









<u>PRODUC</u>

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<u>AL INV</u> Y

SAMPL

## **Electrical Characteristics**

Model	Rated Current	Resistance	Rated	Interrupting	Typical I <sup>2</sup> t	Certifications
Model	(A)	(Ω) Typ.****	Voltage	Rating	(A <sup>2</sup> s) *****	cUL: <u>E198545</u>
SF-1206SA150W-2	1.5	0.05			0.37	<b>✓</b>
SF-1206SA160W-2	1.6	0.043	110 VDC	50 A @ 110 VDC	0.52	✓
SF-1206SA200W-2	2	0.032			0.88	<b>✓</b>
SF-1206SA250W-2	2.5	0.028			1.1	✓
SF-1206SA300W-2	3	0.0224			1.9	✓
SF-1206SA315W-2	3.15	0.0203	65 VDC	50 A @ 65 VDC	2.2	✓
SF-1206SA350W-2	3.5	0.018			2.6	✓
SF-1206SA400W-2	4	0.0161			3.3	✓
SF-1206SA500W-2	5	0.0129			5.4	✓
SF-1206SA630W-2	6.3	0.01			8.9	✓
SF-1206SA700W-2	7	0.0094			10.4	✓
SF-1206SA800W-2	8	0.0084	32 VDC	50 A @ 32 VDC	13.5	✓
SF-1206SA1000W-2	10	0.005			11.2	✓
SF-1206SA1200W-2	12	0.0041			15	✓
SF-1206SA1500W-2	15	0.0035			24.5	/

<sup>\*\*\*\*\*</sup> Resistance value measured with ≤10 % rated current at 25 °C ambient. Tolerance ± 25 %.



# WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

- \* Meets Bourns' internal AEC-Q200 equivalent test plan.
- \*\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
- \*\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

"SinglFuse" is a trademark of Bourns, Inc.

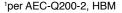
Specifications are subject to change without notice.

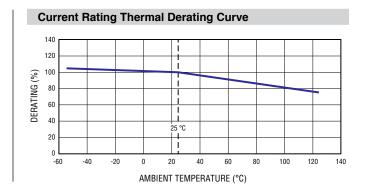
<sup>\*\*\*\*\*\*</sup> Melting  $I^2t$  calculated at 0.001 second pre-arcing time.

# SF-1206SA-W Series – Automotive Grade Slow Blow SMD Fuses

# **BOURNS**

<b>Environmental Characteristics</b>	
Operating Temperature	-55 °C to + 125 °C
Storage Conditions	
Temperature	+5 °C to +35 °C
Humidity	40 % to 75 %
Moisture Sensitivity Level	1
ESD Classification <sup>1</sup>	Class 6





### **Typical Part Marking**

Represents total content. Layout may vary. Markings in blue color.



Rated Current	Part Marking
1.5 A	G
1.6 A	Т
2 A	1
2.5 A	J
3 A	K
3.15 A	V
3.5 A	L
4 A	М

Rated Current	Part Marking
5 A	N
6.3 A	0
7 A	Р
8 A	R
10 A	Q
12 A	Х
15 A	Y

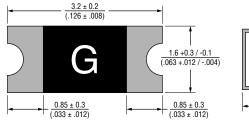
How to Order	
SF - 1206 S A 150 W	- 2
SinglFuse™ Product Designator	
SMD Footprint 1206 = EIA 1206 (3216 metric)	
Fuse Blow Type ————————————————————————————————————	
Automotive Grade —	
Rated Current — 150 ~ 1500 = 1.5 A ~ 15 A	
Structure Type W = Wire Core	
Packaging Type —	

- 2 = Tape & Reel

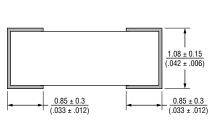
# Packaging

Reel Dimension	7-inch Tape and Reel
Specification	EIA 481-2
Quantity	3,500 pieces
Packaging Code	-2

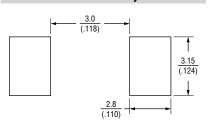
## **Product Dimensions**



DIMENSIONS:  $\frac{MM}{(INCHES)}$ 



## **Recommended Pad Layout**



DIMENSIONS:  $\frac{MM}{(INCHES)}$