



## Features

- Fast acting precision fusing speed
- EIA 2410 (6125 metric) footprint
- AEC-Q200 compliant\*
- UL 248-14 listed
- RoHS compliant\*\* and halogen free\*\*\*

## SF-2410FPA-W Series - Automotive Grade Fast Acting Precision Fuses

### Clearing Time Characteristics for Series

% of Current Rating	Clearing Time @ 25 °C	
	Min.	Max.
100 %	4 hours	—
200 %	0.01 second	5 seconds

### Additional Information

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### Electrical Characteristics

Model	Rated Current (A)	Resistance (Ω) Typ.*****	Rated Voltage	Interrupting Rating	Typical I <sup>2</sup> t (A <sup>2</sup> s)*****	Certifications
						cUL: <a href="#">E198545</a>
SF-2410FPA100W-2	1	0.093	250 VDC	100 A @ 250 VDC 300 A @ 32 VDC	0.59	✓
SF-2410FPA125W-2	1.25	0.07			0.96	✓
SF-2410FPA150W-2	1.5	0.06			1.19	✓
SF-2410FPA200W-2	2	0.042			2.75	✓
SF-2410FPA250W-2	2.5	0.031			1.21	✓
SF-2410FPA300W-2	3	0.0249	125 VDC	50 A @ 125 VDC 300 A @ 32 VDC	1.73	✓
SF-2410FPA315W-2	3.15	0.023			2.2	✓
SF-2410FPA350W-2	3.5	0.021			2.5	✓
SF-2410FPA400W-2	4	0.0175			3.3	✓
SF-2410FPA500W-2	5	0.0146			5.9	✓
SF-2410FPA630W-2	6.3	0.01			12.5	✓
SF-2410FPA700W-2	7	0.0097			14.2	✓
SF-2410FPA800W-2	8	0.0085			16.5	✓
SF-2410FPA1000W-2	10	0.0068			29.2	✓

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

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



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://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.

Users should verify actual device performance in their specific applications.

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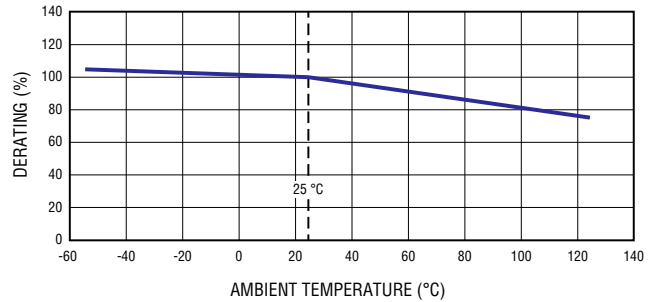
# SF-2410FPA-W Series – Automotive Grade Fast Acting Precision SMD Fuses **BOURNS**<sup>®</sup>

## Environmental Characteristics

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

<sup>1</sup>per AEC-Q200-2, HBM

## Current Rating Thermal Derating Curve



## Typical Part Marking

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



Rated Current	Part Marking	Rated Current	Part Marking
1 A	E	3.5 A	L
1.25 A	F	4 A	M
1.5 A	G	5 A	N
2 A	I	6.3 A	O
2.5 A	J	7 A	P
3 A	K	8 A	R
3.15 A	V	10 A	Q

## How to Order

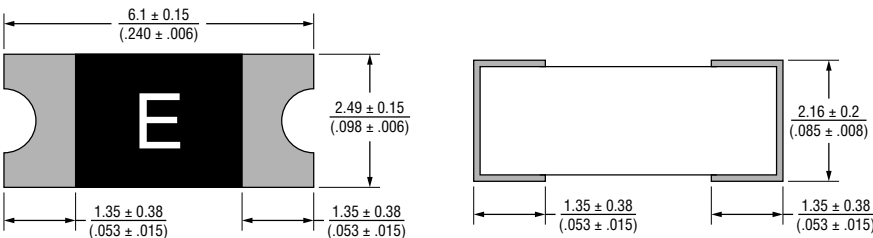
### SF - 2410 FP A 100 W - 2

SinglFuse™ \_\_\_\_\_  
 Product Designator \_\_\_\_\_  
 SMD Footprint \_\_\_\_\_  
 2410 = EIA 2410  
 (6125 metric) \_\_\_\_\_  
 Fuse Blow Type \_\_\_\_\_  
 FP = Fast Acting Precision \_\_\_\_\_  
 Automotive Grade \_\_\_\_\_  
 Rated Current \_\_\_\_\_  
 100 ~ 1000 = 1 A ~ 10 A \_\_\_\_\_  
 Structure Type \_\_\_\_\_  
 W = Wire Core \_\_\_\_\_  
 Packaging Type \_\_\_\_\_  
 - 2 = Tape & Reel \_\_\_\_\_

## Packaging

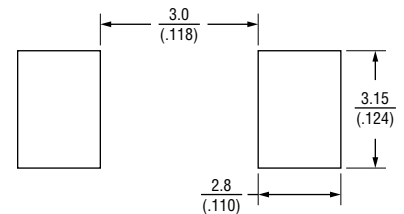
Reel Dimension	7-inch Tape and Reel
Specification	EIA 481-2
Quantity	2,000 pieces
Packaging Code	-2

## Product Dimensions



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

## Recommended Pad Layout



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

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