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

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES

Electrical Characteristics

Model	Rated Current (A)	Resistance (Ω) Typ.*****	Rated Voltage	Interrupting Rating	Typical I^2t (A^2s) ******	Certifications
						cUL: E198545
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	125 VDC	50 A @ 125 VDC 300 A @ 32 VDC	1.21	✓
SF-2410FPA300W-2	3	0.0249			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^2t calculated at 0.001 second pre-arcing time.

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.

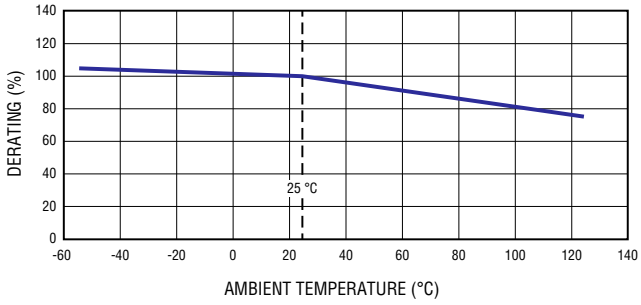
"SinglFuse" is a trademark of Bourns, Inc.
Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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[1]	Class 6

[1]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

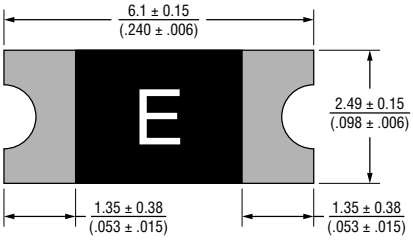
SF - 2410 FP A 100 W - 2

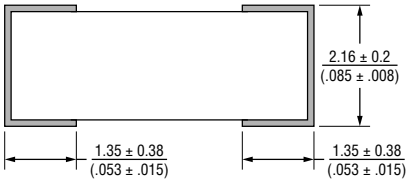
- SinglFuse™ Product Designator
- SMD Footprint
  - 2410 = EIA 2410 (6125 metric)
- Fuse Blow Type
  - FP = Fast Acting Precision
- Automotive Grade
- Rated Current
  - 100 ~ 1000 = 1 A ~ 10 A
- Structure Type
  - W = Wire Core
- Packaging Type
  - - 2 = Tape & Reel

Packaging

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

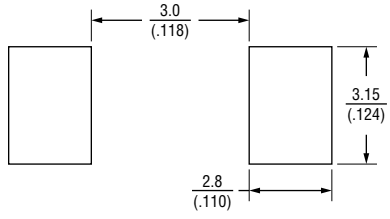
Product Dimensions





DIMENSIONS: MM (INCHES)

Recommended Pad Layout



DIMENSIONS: MM (INCHES)

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.