



Surface-mount Fuses

2410 Very Fast-Acting Fuses



The 2410(6125) is Wire-in Air SMD Fuse which is very suitable for secondary level overcurrent protection applications.

These lead-free surface mount devices offer more reliability and have no end cap falling off risk. Straight wire element in air performs consistent fusing and cutting characteristics.



Benefits

- Very fast acting at 200% overload current level
- Excellent inrush current withstanding capability
- High reliability and resilience
- Strong arc suppression characteristics
- Copper terminal with nickel and tin plated

Features

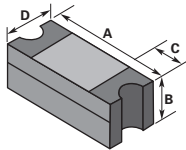
- Halogen free, RoHS compliant and 100% lead-free
- Copper or copper alloy composite fuse link
- Fiberglass enforced epoxy fuse body
- Wide range of current rating
- -55°C to +125°C operating temperature range (with de-rating)

Applications

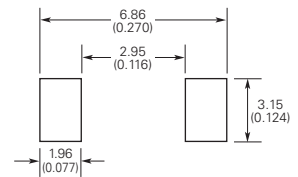
- | | | |
|------------------------|------------------|----------------|
| • Industrial equipment | • Power supplier | • Game systems |
| • LCD/PDP TV | • Telecom system | • White goods |
| • Backlight inverter | • Networking | • Automotive |

Table SFV1 Clear Time Characteristics for 2410 Very Fast-Acting Fuses

% of rated current	Clear time at 25°C	
	100%	4 hours (min.)
200% (0.5A-10.0A)	0.01 second (min.)	5 seconds (max.)
200% (12.0A-20.0A)	0.01 second (min.)	20 seconds (max.)

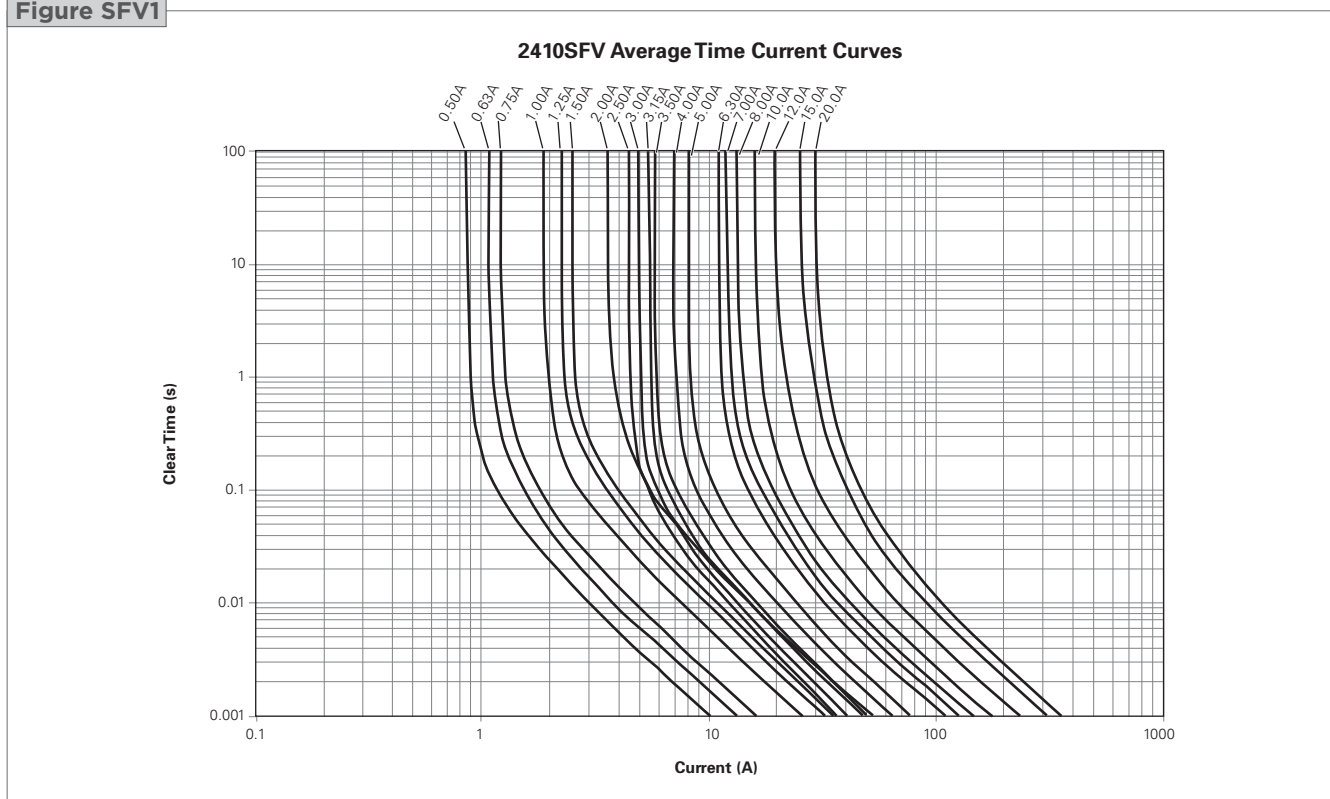
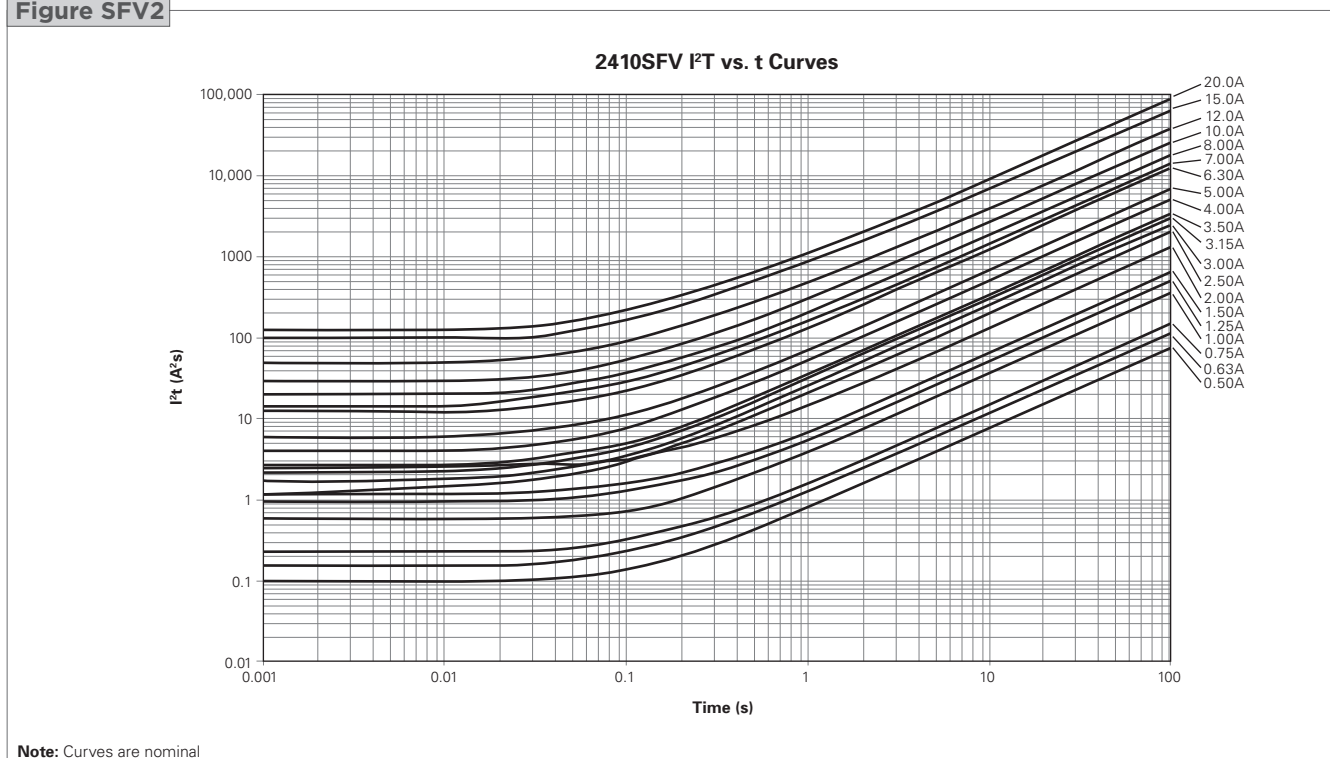
Table SFV2 Typical Electrical Characteristics, Dimensions and Recommended Pad Layout for 2410 Very Fast-Acting Fuses
2410 (6125 mm) Very Fast-Acting Fuse
Shape and Dimensions
mm (Inch)


	A		B		C		D	
	Min	Max	Min	Max	Min	Max	Min	Max
mm	5.95	6.25	1.96	2.36	0.97	1.73	2.34	2.64
in	(0.234)	(0.246)	(0.077)	(0.093)	(0.038)	(0.068)	(0.092)	(0.104)

Recommended Pad Layout
mm (Inch)

Typical Electrical Characteristics
Max. Interrupt Ratings

Part Number	Marking Code	Rated Current (A)	Nominal Cold DCR (Ω)*	Nominal I^2t ($A^2\text{sec}$)	Voltage		Current (A)
					(V _{AC})	(V _{DC})	
2410SFV0.50FM/125-2	C	0.5	0.2310	0.10	250	125	
2410SFV0.63FM/125-2	S	0.6	0.1740	0.16	250	125	
2410SFV0.75FM/125-2	D	0.8	0.1480	0.23	250	125	
2410SFV1.00FM/125-2	E	1.0	0.0930	0.59	250	125	
2410SFV1.25FM/125-2	F	1.3	0.0700	0.96	250	125	
2410SFV1.50FM/125-2	G	1.5	0.0620	1.19	125	125	
2410SFV2.00FM/125-2	I	2.0	0.0420	2.75	125	125	
2410SFV2.50FM/125-2	J	2.5	0.0310	1.21	125	125	
2410SFV3.00FM/125-2	K	3.0	0.0249	1.73	125	125	
2410SFV3.15FM/125-2	V	3.2	0.0232	2.20	125	125	
2410SFV3.50FM/125-2	L	3.5	0.0220	2.50	125	125	50A @ 250V _{AC} 50A @ 125V _{DC} 300A @ 32V _{DC}
2410SFV4.00FM/125-2	M	4.0	0.0172	4.10	125	125	
2410SFV5.00FM/125-2	N	5.0	0.0143	5.90	125	125	
2410SFV6.30FM/125-2	O	6.3	0.0100	12.50	125	125	
2410SFV7.00FM/125-2	P	7.0	0.0094	14.20	125	125	
2410SFV8.00FM/125-2	R	8.0	0.0086	20.30	125	125	
2410SFV10.0FM/125-2	Q	10.0	0.0066	29.20	125	125	35A @ 125V _{AC} 50A @ 125V _{DC} 300A @ 32V _{DC}
2410SFV12.0FM/065-2	X	12.0	0.0053	49.20	65	65	50A @ 65V _{AC} 50A @ 65V _{DC} 300A @ 32V _{DC}
2410SFV15.0FM/065-2	Y	15.0	0.0038	102.50	65	65	
2410SFV20.0FM/065-2	Z	20.0	0.0034	126.20	65	65	50A @ 65V _{AC} 50A @ 65V _{DC} 300A @ 32V _{DC}

 * Measured at $\leq 10\%$ of rated current and 25°C ambient temperature.

Figure SFV1-SFV2 Family Performance Curves for 2410 Very Fast-Acting Fuses
Figure SFV1

Figure SFV2


→ Please go to page 97 for more information for 2410 Fast-Acting Fuses.