

2410SFV Fuse Product Introduction

2011年4月1日星期五



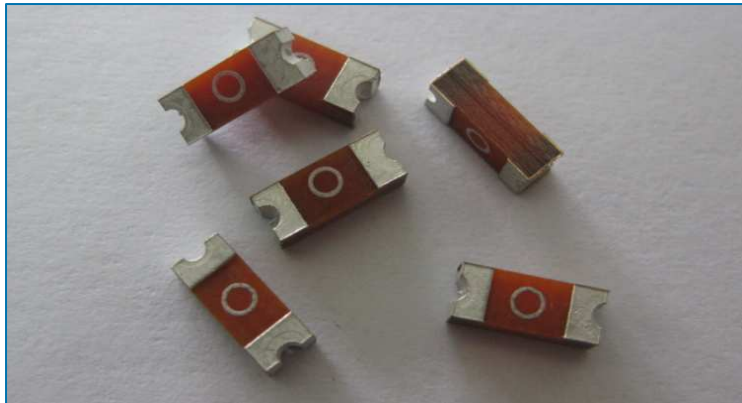
2410SFV Family Overview

Description

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

Agency Approval

Agency	File No.
	E197536



Futures

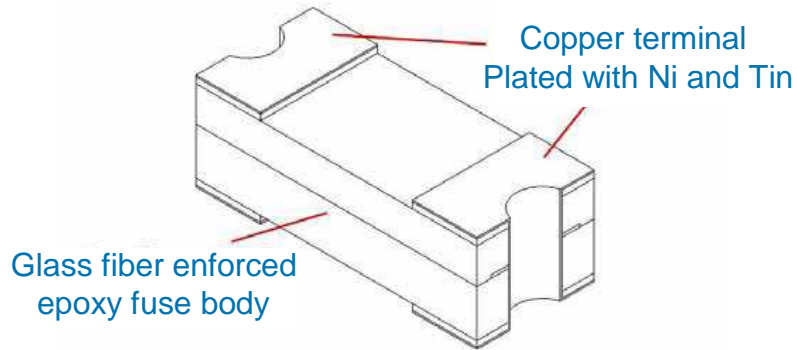
RoHS compliant
 Halogen Free
 Fast Acting
 Small Size 6.1x2.5mm
 Low Temperature Derating
 Wide Range Of Current Rating
 High Inrush Current Immunity Capability

Electrical Characteristics

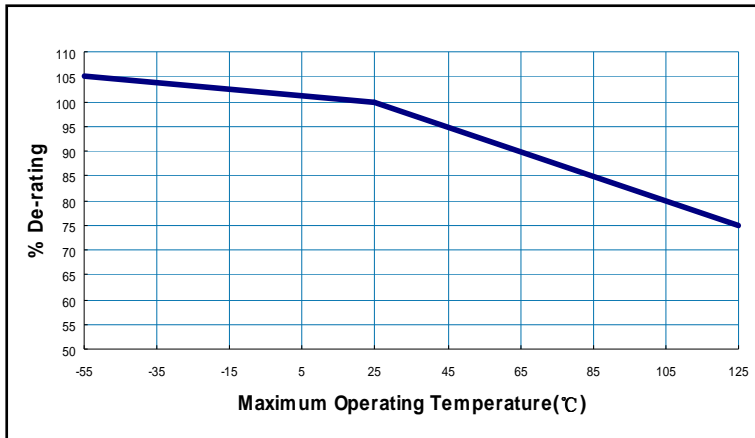
Rated Current	% of Current Rating	Clear Time @25°C	
		Min.	Max.
0.5A-20A	100%	4 hours	-
0.5A-10.0A	200%	0.01 sec	5 sec
12.0A-20.0A	200%	0.01 sec	20 sec

Product Characteristic

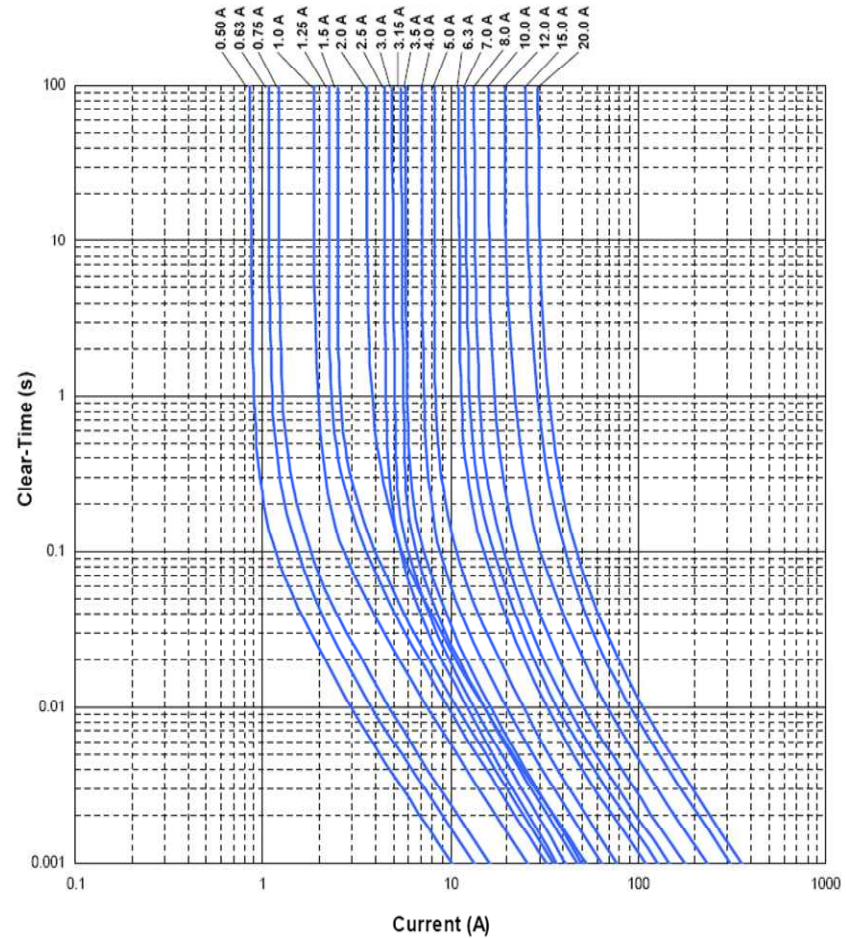
Product Structure



Temperature De-rating



Average Clear Time Curve @25°C



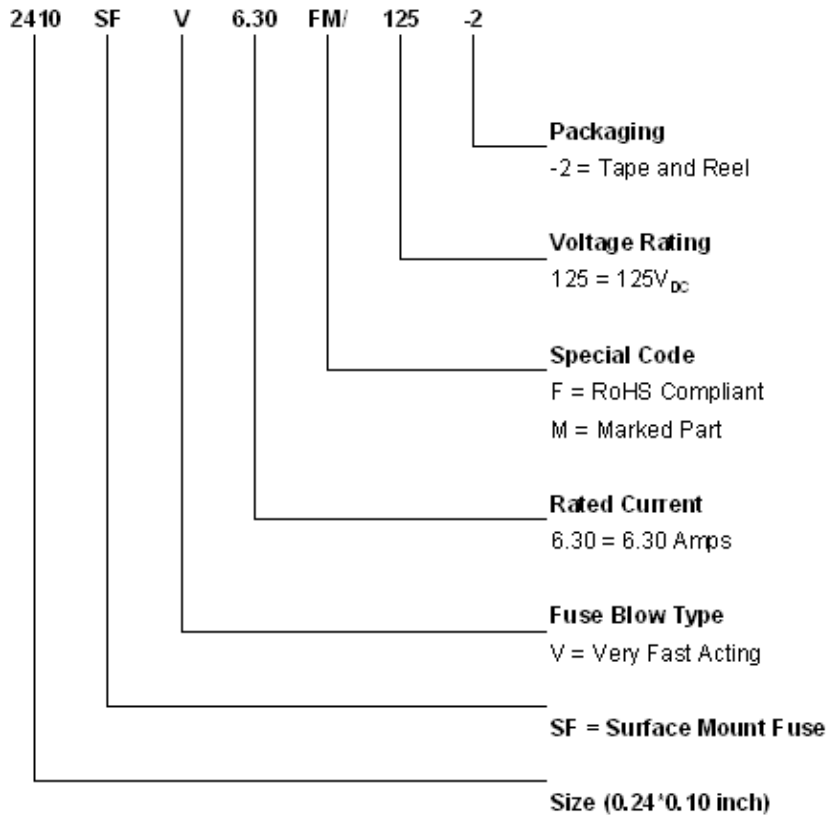
Parts

TE Part Listing

Part Number	Marking Code	Rated Current (A)
2410SFV0.50FM/125	C	0.5
2410SFV0.63FM/125	S	0.63
2410SFV0.75FM/125	D	0.75
2410SFV1.00FM/125	E	1
2410SFV1.25FM/125	F	1.25
2410SFV1.50FM/125	G	1.5
2410SFV2.00FM/125	I	2
2410SFV2.50FM/125	J	2.5
2410SFV3.00FM/125	K	3
2410SFV3.15FM/125	V	3.15
2410SFV3.50FM/125	L	3.5
2410SFV4.00FM/125	M	4
2410SFV5.00FM/125	N	5
2410SFV6.30FM/125	O	6.3
2410SFV7.00FM/125	P	7
2410SFV8.00FM/125	R	8
2410SFV10.0FM/125	Q	10
2410SFV12.0FM/065	X	12
2410SFV15.0FM/065	Y	15
2410SFV20.0FM/065	Z	20

Some basic notes

Part Naming



Packaging

- 2kpc per reel
- 4 reels per box

Some basic notes

Recommended Reflow Profile

Profile Feature	
Average ramp up rate (Ts_{MAX} toTp)	3°C/second max.
Preheat	
• Temperature min. (Ts _{MIX})	150°C
• Temperature max. (Ts _{MAX})	200°C
• Time (ts _{MIN} to ts _{MAX}) 60-180 seconds	40 – 100 Seconds
Time maintained above:	
• Temperature (T _L)	200°C
• Time (t _L)	30 Seconds Min.
Peak/Classification temperature (Tp)	250°C Max.
Time within 5 °C of actual peak temperature	
Time (tp)	30 – 40 Seconds
From 25°C to preheating (150°C)	40 – 100 seconds
Ramp down rate	Natural Cooling

End