SMD 1210 Type Multilayer Chip Varistor SV1210N470G0A Zinc Oxide Varistor 47V DC

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen Guangdong China
- Brand Name: SOCAY
- Certification: REACH RoHS ISO
- Model Number: SV1210N470G0A
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

Product Specification

- Component Name: Multilayer Chip Varistor
- Component Package: SMD1210
- Maximum DC Operating Voltage: 47V
- Vv (Min.): 56.4V
- Vv (Max.): 70.5V
- Maximum Peak Current Across The Varistor: 155V
- Maximum Peak Current: 250A
- Wmax: 0.8J
- Highlight: **SMD 1210 Multilayer Chip Varistor**, **Multilayer Chip Varistor 47V DC**, **Multilayer Zinc Oxide Varistor**

More Images

Product Description

1210 Type SMD Zinc Oxide Varistor SV1210N470G0A SOCAY Original Factory Supply

SMD Zinc Oxide Varistor DATASHEET: SV1210N470G0A_v209.1.pdf

Description:
The SMD Zinc Oxide Varistor SV1210N470G0A is based on Multilayer fabrication technology. These components are designed to suppress a variety of transient events, including those specified in IEC 61000-4-2 or other standards used for Electromagnetic Compliance (EMC). The SV1210N470G0A is typically applied to protect integrated circuits and other components at the circuit board level. It can operate over a wider temperature range than zener diodes.

SMD Zinc Oxide Varistor Electrical Characteristics (25±5):

Symbol	Minimum	Typical	Maximum	Units
VRMS	—	—	37	V
VDC	—	—	47	V
VV	56.4	—	70.5	V
VC	—	—	155	V
Imax	—	—	250	A
Wmax	—	—	0.8	J

VRMS - SMD Zinc Oxide Varistor *Maximum AC operating voltage the varistor can maintain and not exceed 10μA leakage current.*
VDC - Maximum DC operating voltage the varistor can maintain and not exceed 10μA leakage current.
VV - Voltage across the device measure at 1mA DC current.
Equivalent to VB "breakdown voltage".
VC - Maximum peak current across the varistor with 8/20μs waveform and 5A pulse current.
Imax - Maximum peak current which may be applied with 8/20μs waveform without device failure.
Wmax - Maximum energy which may be dissipated with the 10/1000μs waveform without device failure.

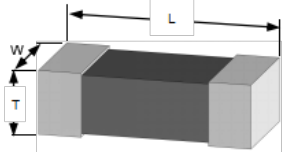
SMD Zinc Oxide Varistor Features:

Rectangle, sizes serialization for hybrid integrated circuit or printed circuit surface mount components
There are many side electrode lead-out material, particularly suitable for surface mount technology for solderability and resistance to soldering heat of the stringent requirements
Fast response (<1ns)
Low leakage current, low clamping voltage
Suitable for reflow, wave soldering and hot air hand soldering

SMD Zinc Oxide Varistor Applications:

Application for Mother Board, Notebook, Cellular Phone, PDA, handheld device, DSC, DV, Scanner, and Set- Top Box…etc.
Suitable for Push-Button, Power Line and Low Frequency single line over-voltage protect.

SMD Zinc Oxide Varistor Construction & Dimensions:

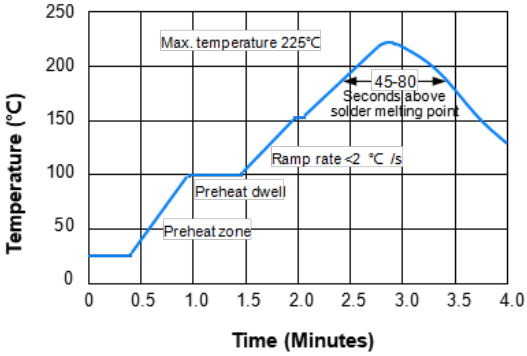


Size EIA (EIAJ)	Length (L)		Width (W)		Thickness (T)	
	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
1210 (3225)	0.126±0.012	3.20±0.30	0.098±0.012	2.50±0.30	0.098 Max	2.50 Max

General Technical Data:

Operating Temperature	-55~125
Storage Temperature	-55~150
Response Time	<1 ns
Solderability	245±5 , 3±1sec
Solder Leach Resistance	260±5 , 10±1sec

Soldering Recommendations:



Preheat The temperature rising speed is suggested to be 2~4 /s Appropriate preheat time will be from 60 to 120 seconds. **Heating** Careful about sudden rise in temperture as it may worser the solder ability. Set the peal temperature in the range from 215 to 225 . **Cooling** Careful about slow cooling as it may cause the position shift of component.

Quantity of Products in The Taping Package:

SIZE EIA (EIAJ)	**1210 (3225)**
Standard Packing Quantity (PCS / reel)	3,000

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