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

Basic Information

Place of Origin: Shenzhen Guangdong China

• Brand Name: SOCAY

Certification: REACH RoHS ISOModel 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 47V

Voltage:

Vv (Min.): 56.4V
Vv (Max.): 70.5V
Maximum Peak Current Across The Varistor: 155V

Maximum Peak Current: 250AWmax: 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):

| -, | Minimum | Typical | Maximum | Units |
|------|----------|---------|---------|-------|
| VRMS | <u> </u> | F | 37 | V |
| VDC | F | F | 47 | V |
| 1 | 56.4 | F | 70.5 | V |
| VC | <u> </u> | F | 155 | V |
| lmax | <u> </u> | F | 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

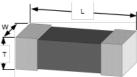
Suitable for reflow, wave soldering and hot air hand soldering

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:

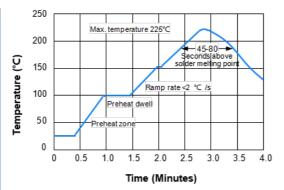


| Size EIA (EIAJ) | Length (L) | | Width (W) | | Thickness (T) | |
|--------------------|-------------|-------------|-------------|-------------|---------------|-------------|
| | Inches | Millimeters | Inches | Millimeters | Inches | Millimeters |
| 1210 (3225) | 0.126±0.012 | 3.20±0.30 | 0.098±0.012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







Socay Shenzhen Socay Electronics Co., Ltd.



+8618126201429



sylvia@socay.com



socaydiode.com