SOCAY Multilayer Chip Varistor 385V DC SV1812H471G0A 1812 Series 2.3J Wmax

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen Guangdong China
- Brand Name: SOCAY
- Certification: REACH RoHS ISO
- Model Number: SV1812H471G0A
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

Product Specification

- Component Name: Multilayer Chip Varistor
- Component Package: SMD1812
- Maximum DC Operating Voltage: 385V
- Vv (Min.): 423V
- Vv (Max.): 517V
- Maximum Peak Current Across The Varistor: 810V
- Maximum Peak Current: 400A
- Wmax: 2.3J
- Highlight: **Multilayer Chip Varistor 385V DC**, **2.3J Multilayer Chip Varistor**, **SV1812H471G0A**

More Images

Product Description

Original Factory SOCAY Multilayer Chip Varistor SV1812H471G0A 1812 Series 385VDC

Multilayer Chip Varistor DATASHEET: SV1812H471G0A_v209.1.pdf

Description:
The Multilayer Chip Varistor SV1812H471G0A 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 SV1812H471G0A 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.

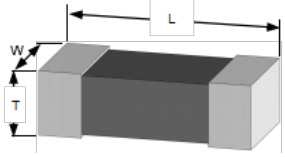
Classification:
SMD:0402,0603,0805,1206,1210,1812,2220
DIP:5D,7D,10D,14D,20D,25D,32D
Current:1A~15KA
The smaller the size, the lower the price,
The lower the throughput, the larger the size,
The higher the throughput, the more expensive,
The higher the voltage, the thicker the tube.
Response time≤10NS

Multilayer Chip Varistor Electrical Characteristics (25±5):

Symbol	Minimum	Typical	Maximum	Units
VRMS	—	—	300	V
VDC	—	—	385	V
VV	423	—	517	V
VC	—	—	810	V
Imax	—	—	400	A
Wmax	—	—	2.3	J

VRMS - 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 10A pulse current.
Imax - Maximum peak current which may be applied with 8/20μs waveform without device failure.

Multilayer Chip Varistor Construction & Dimensions:

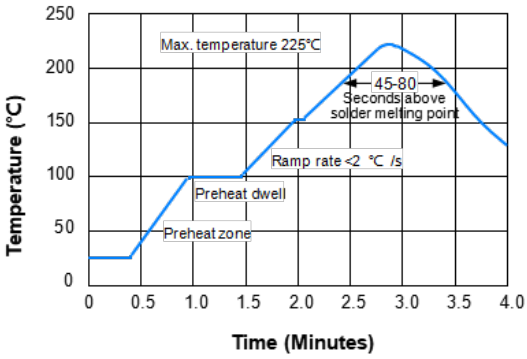


Size EIA (EIAJ)	Length (L)		Width (W)		Thickness (T)	
	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
1812 (4532)	0.177±0.016	4.50±0.40	0.126±0.012	3.20±0.30	0.134 Max	3.40 Max

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:



Quantity of Products in The Taping Package:

SIZE EIA (EIAJ)	1812 (4532)
Standard Packing Quantity (PCS / reel)	1,000

Application

Power protection, Switches, POS machines, Lightning arresters, Building intercoms, Monitoring systems, Parking cards, Transmission systems, Instrumentation,Meters, Communication products, Control panels.

We are manufacturer and supplier with over 20 years experience for passive components as below

1- ESD
2- TVS Diodes
3- PPTC Resettable Fuse
4- Gas Discharge Tube
5- NTC Themistor
6- Varistor,etc.

If you have any question please kindly contact us freely .

SOCAY® **Shenzhen Socay Electronics Co., Ltd.**

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