

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

Basic Information

Place of Origin: Shenzhen Guangdong China

• Brand Name: SOCAY

Certification: REACH RoHS ISOModel 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 385V

Voltage:

Vv (Min.): 423V
 Vv (Max.): 517V
 Maximum Peak Current 810V

Across The Varistor:

• Maximum Peak Current:

Maximum Peak Current: 400AWmax: 2.3J

• Highlight: Multilayer Chip Varistor 385V DC,

 $2.3 J \; Multilayer \; Chip \; Varistor, \; SV1812H471G0A$



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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	H	\vdash	300	V
VDC	\vdash	-	385	V
VV	423		517	V
VC		\vdash	810	V
lmax	\vdash	\vdash	400	Α
Wmax		F	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.

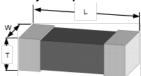
VV - Voltage across the device measure at 1mA DC current.

Equivalent to VB "breakdown voltage".

VC - Maximum peak current across the varistor with 8/20µs waveform and 10A pulse current.

lmax - Maximum peak current which may be applied with 8/20µs waveform without device failure.

Multilayer Chip Varistor Construction & Dimensions:

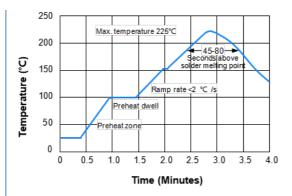


Size EIA (EIAJ)	Length (L)		Width (W)		Thickness (T)	
	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
1812 (4532)	0.177±0.016	4.50±0.40	0.126±0.012	3.20±0.30	0.134 Max	3.40 Max

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 .











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