

Chip-SPD 『BEST』 over voltage Protection Solution

Surge , Load Dump & ESD Protection Device

SHV Series



Description

SHV series are intended for use in hybrid circuit applications in commercial and industrial equipment utilizing direct surface-mounting techniques. These devices, which have significantly small size than traditional radial-lead varistors, permit designers to reduce the size and weight, increase the reliability of their equipment designs for save production cost SHV Series cover wide DC operating voltage range from 14V to 460V and also have unique high technology in 1812 size up to 300V.



Features

- Operating voltage range V DC up to 460Vdc
- High voltage type up to 470V
- Easy to design with surface mount design without lead
- Save labor cost and easy mass production
- Space and weight savings on PC board
- No plastic coating guarantees better flammability rating
- Available in tape and reel for automatic production

Application

1. LED Lighting
2. Power Board
3. Base Station
4. AC power supply
5. Industrial equipment and controller

SHV Series Specification

Part Number	Size	AC Voltage (V)	Breakdown Voltage _c (V)	Clamping Voltage (V)	Surge Current (A)
SFI1812SV151	1812	95	150(±10%)	< 210	1000
SFI1812SV201	1812	130	200(±10%)	< 280	1000
SFI1812SV301	1812	190	300(±10%)	< 420	1000
SFI3220SV271	3220	175	270(±10%)	< 378	1200
SFI3220SV391	3220	250	390(±10%)	< 532	1200
SFI3220SV431	3220	275	430(±10%)	< 586	1200
SFI3220SV471	3220	300	470(±10%)	< 640	1200

* Surge wave form under 8x20 us / 2 ohm condition



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All the parameters will follow the data sheet , without notice