

## 1 Scope

The present specifications shall apply to an SV-3SS.

## 2 Outline

Type	Symmetry Type Silicon Varistor
Structure	Resin Molded
Applications	Over Voltage Protection

## 3 Flammability

UL94V-0(Equivalent)

## 4 Absolute maximum ratings

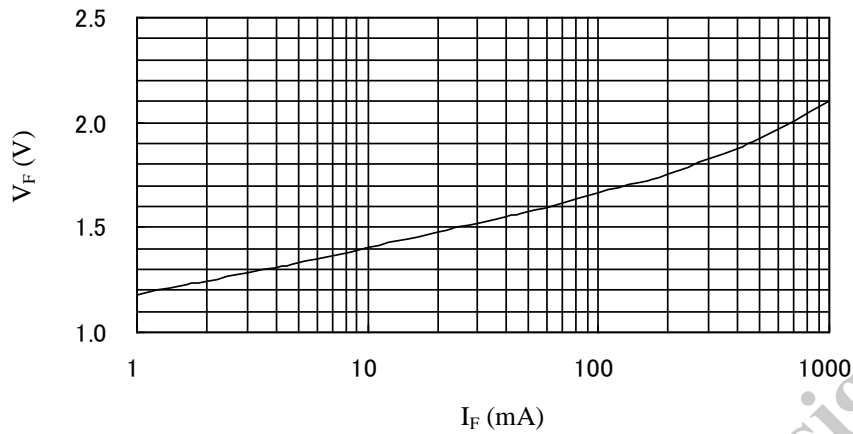
No.	Item	Symbol	Unit	Rating	Conditions
1	Direct current	$I_o$	mA	250	
2	Junction Temperature	$T_j$	°C	-40 to +100	
3	Storage Temperature	$T_{stg}$	°C	-40 to +100	

5 Electrical characteristics ( $T_a=25^\circ\text{C}$ , unless otherwise specified)

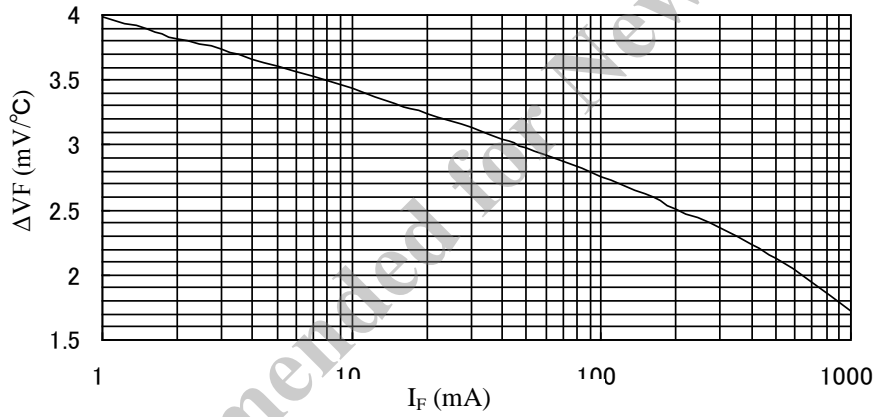
No.	Item	Symbol	Unit	Rating	Conditions	
1	Leakage Current	$I_R$	$\mu\text{A}$	50 max.	$V_R=0.6\text{V}$	Both Direction
2	Forward Voltage Drop	$V_F$	V	1.2 to 2.0	$I_F=100\text{mA}$	
3	Thermal Resistance	$R_{th(j-l)}$	°C/W	20 max.	Between Junction and Lead	

6 Characteristics

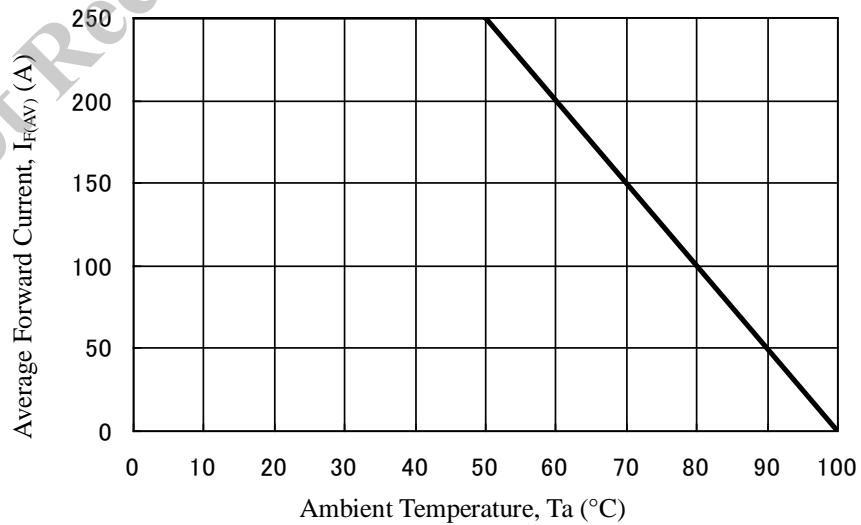
Voltage versus Current Typical Characteristics ( $T_j = 25^\circ\text{C}$ )



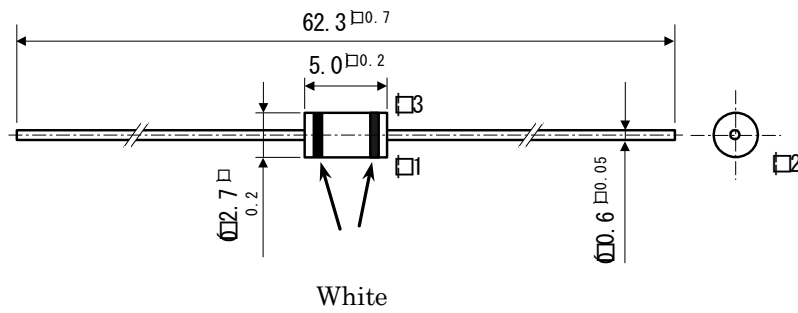
Typical Current dependency of temperature characteristic of  $\Delta V_F$  ( $T_j = 50$  to  $100^\circ\text{C}$ )



7 Derating



## 8 Package type, physical dimensions and marking



- \*1 The allowance position of Body against the center of whole lead wire is 0.5mm(max.)
- \*2 The centric allowance of lead wire against center of physical body is 0.3mm(max.)
- \*3 The burr may exit up to 2mm from the body of lead

Dimensions in mm