

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

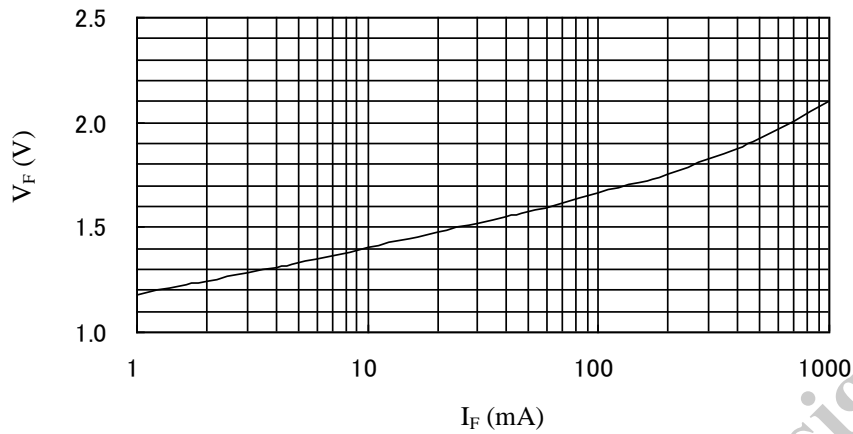
No.	Item	Symbol	Unit	Rating	Conditions
1	Direct current	I_o	mA	250	
2	Junction Temperature	T_j	°C	-40 to +100	
3	Storage Temperature	T_{stg}	°C	-40 to +100	

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

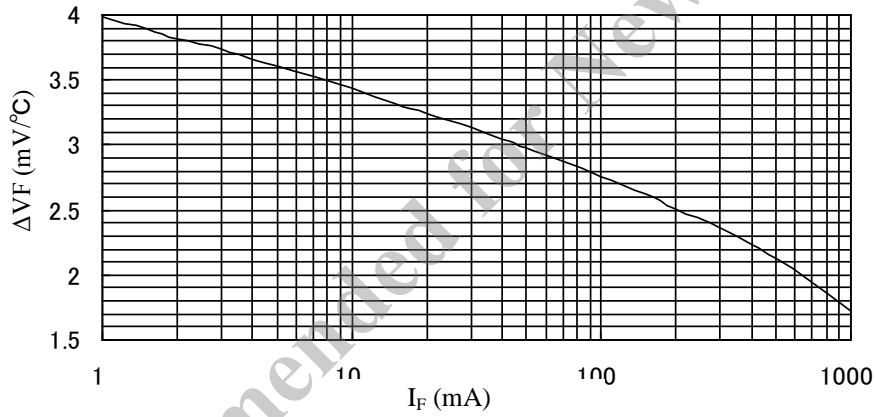
No.	Item	Symbol	Unit	Rating	Conditions	
1	Leakage Current	I_R	μA	50 max.	$V_R=0.6\text{V}$	Both Direction
2	Forward Voltage Drop	V_F	V	1.2 to 2.0	$I_F=100\text{mA}$	
3	Thermal Resistance	$R_{th(j-l)}$	°C/W	20 max.	Between Junction and Lead	

6 Characteristics

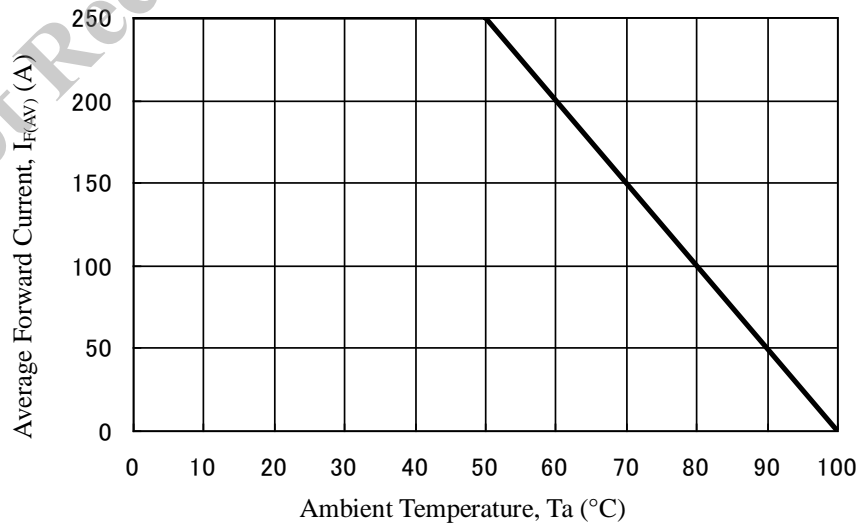
Voltage versus Current Typical Characteristics ($T_j = 25^\circ\text{C}$)



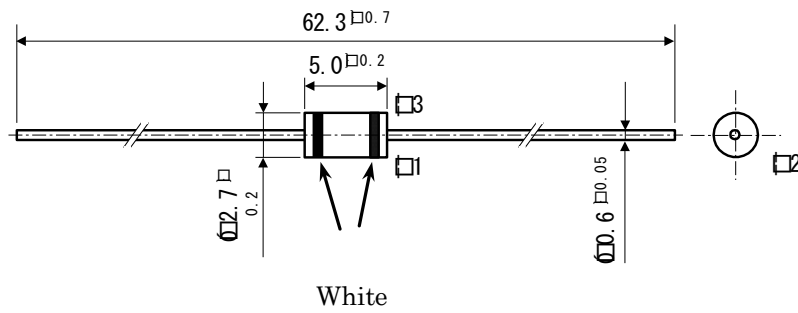
Typical Current dependency of temperature characteristic of ΔV_F ($T_j = 50$ to 100°C)



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