

## 1 Scope

The present specifications shall apply to an VR-61SS.

## 2 Outline

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

## 3 Flammability

UL94V-0(Equivalent)

## 4 Absolute maximum ratings

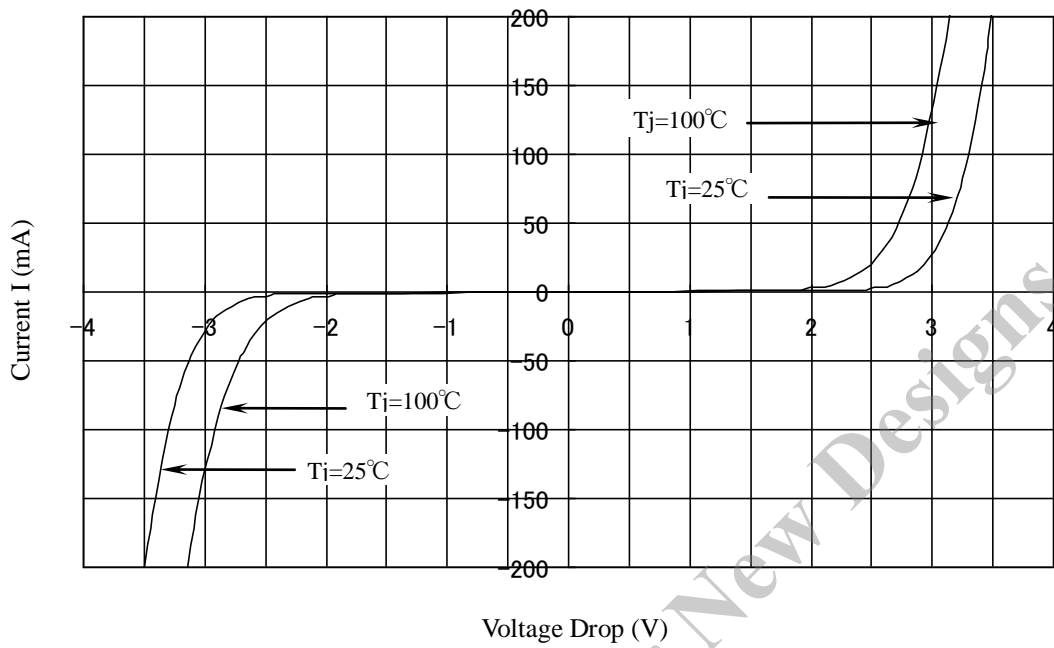
No.	Item	Symbol	Unit	Rating	Conditions
1	Direct current	$I_o$	mA	150	
2	Peak Surge Forward Current	$I_{FSM}$	A	7.5	10ms. Half sine wave, one shot
3	Junction Temperature	$T_j$	°C	-40~+100	
4	Storage Temperature	$T_{stg}$	°C	-40~+100	

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

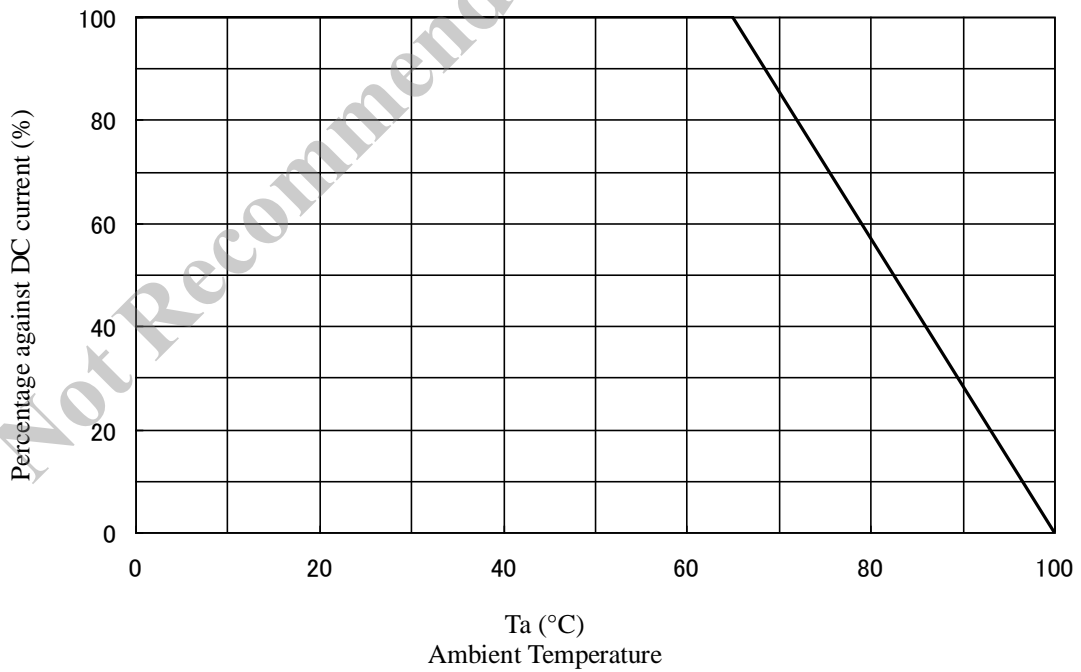
No.	Item	Symbol	Unit	Rating	Conditions	
1	Forward Voltage Drop (1)	$V_{F1}$	V	$2.30\pm 0.25$	$I_F=1\text{mA}$	Both Direction
	Forward Voltage Drop (2)	$V_{F2}$	V	$2.75\pm 0.25$	$I_F=10\text{mA}$	
	Forward Voltage Drop (3)	$V_{F3}$	V	$3.10\pm 0.25$	$I_F=70\text{mA}$	
4	Thermal Resistance	$R_{th(j-l)}$	°C/W	20 max.	Between Junction and Lead	

6 Characteristics

V-I Characteristics (typical value)

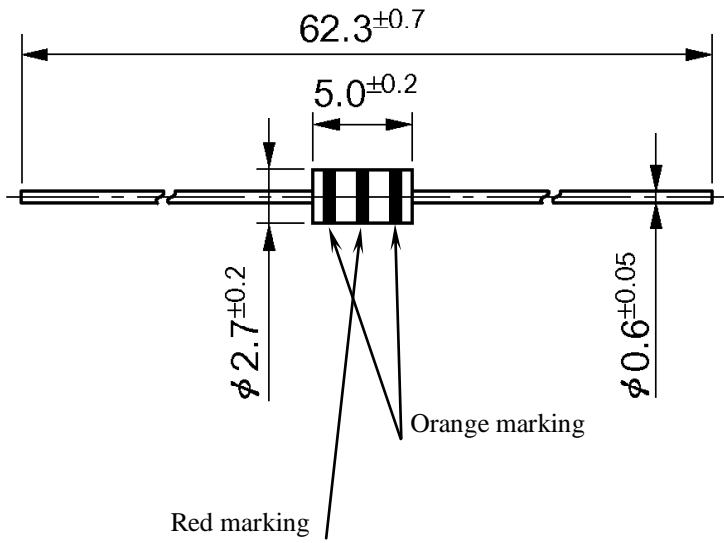


7 Derating



8 Package information

8-1 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

Not Recommended for New Designs