



SANYO Semiconductors

DATA SHEET

An ON Semiconductor Company

1SV267 — Silicon Epitaxial Type**PIN Diode for VHF, UHF, AGC Applications****Features**

- Series connection of 2 elements in a very smallsized package facilitates high-density mounting and permits 1SV267-applied equipment to be made smaller
- Small interterminal capacitance ($C=0.23\text{pF}$ typ)
- Small forward series resistance ($r_s=2.5\Omega$ typ)

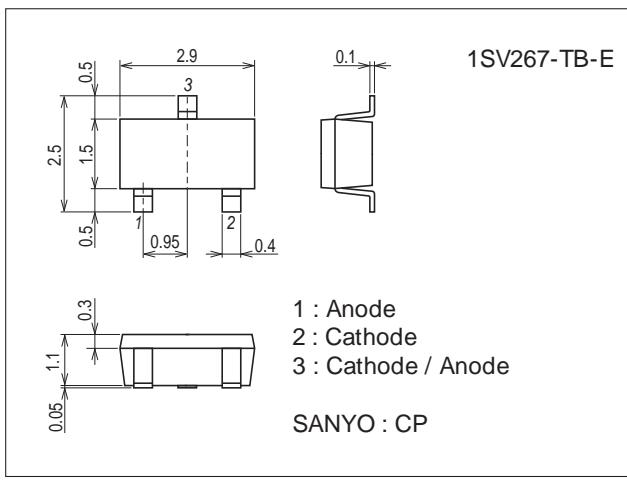
Specifications**Absolute Maximum Ratings** at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		50	V
Forward Current	I_F		50	mA
Allowable Power Dissipation	P		150	mW
Junction Temperature	T_j		125	°C
Storage Temperature	T_{stg}		-55 to +125	°C

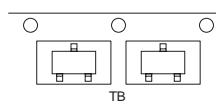
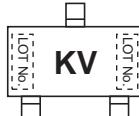
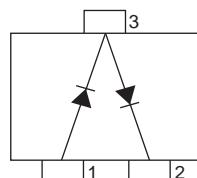
Package Dimensions

unit : mm (typ)

7013A-008

**Product & Package Information**

- Package : CP
- JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB
- Minimum Packing Quantity : 3,000 pcs./reel

Packing Type: TB**Marking****Electrical Connection**

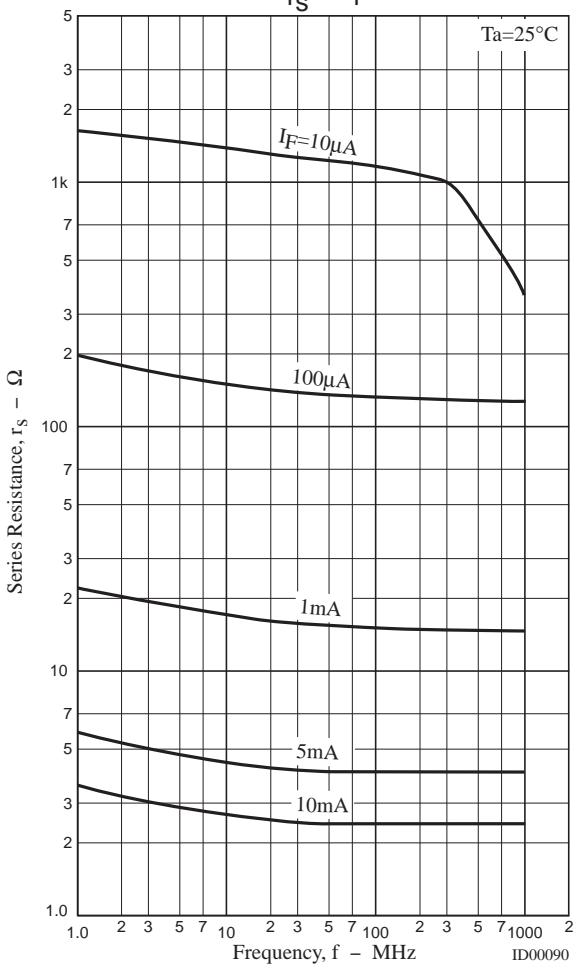
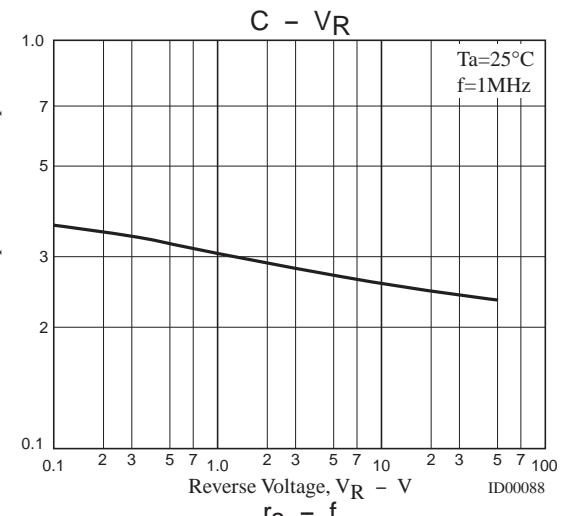
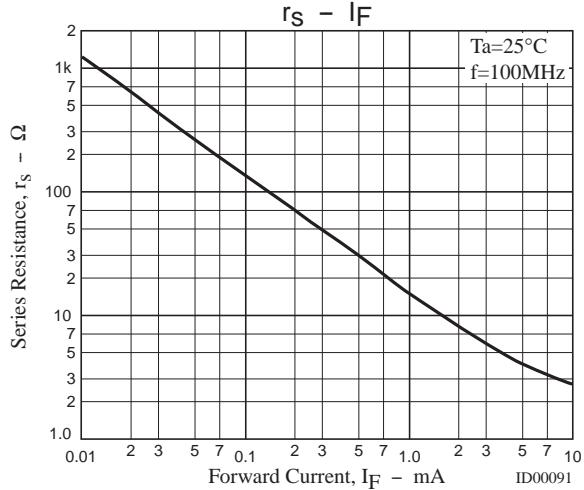
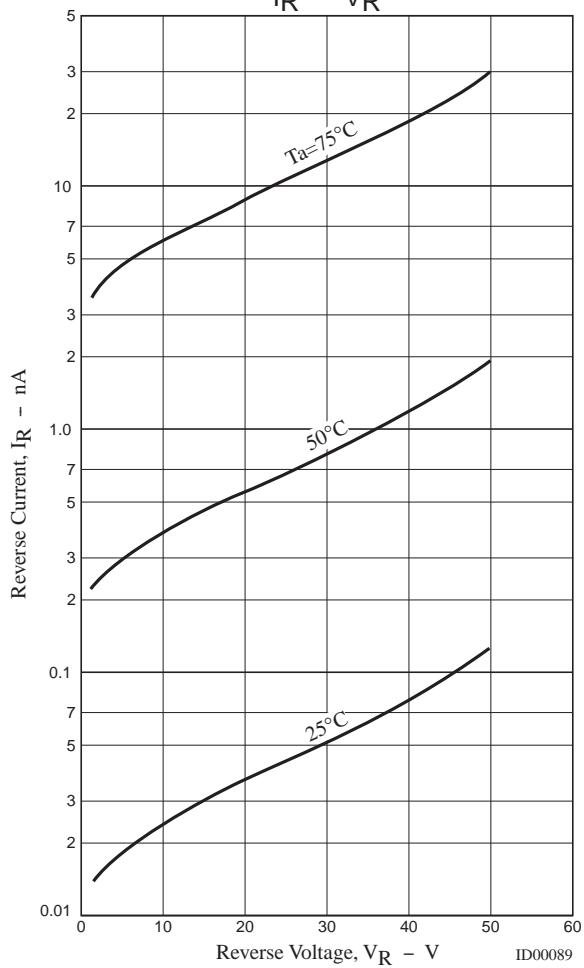
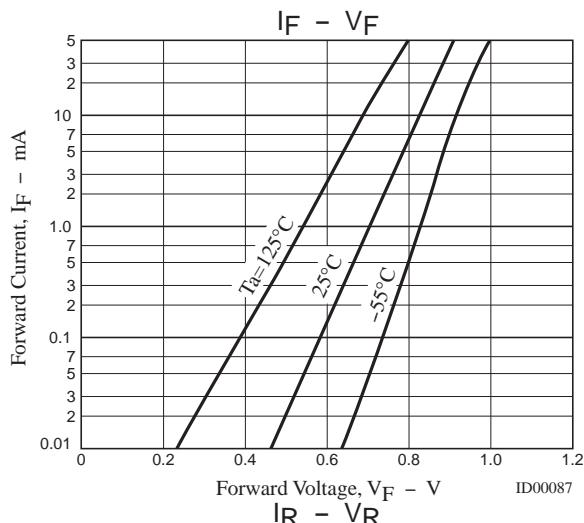
Electrical Characteristics at $T_a=25^\circ C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=10\mu A$	50			V
Reverse Current	I_R	$V_R=50V$			0.1	μA
Forward Voltage	V_F	$I_F=50mA$		0.91		V
Interterminal Capacitance	C	$V_R=50V, f=1MHz$		0.23		pF
Series Resistance	r_S	$I_F=5mA, f=100MHz$		4.0		Ω
		$I_F=10mA, f=100MHz$		2.5		Ω

Note : The specifications shown above are for each individual diode.

Ordering Information

Device	Package	Shipping	memo
1SV267-TB-E	CP	3,000pcs./reel	Pb Free

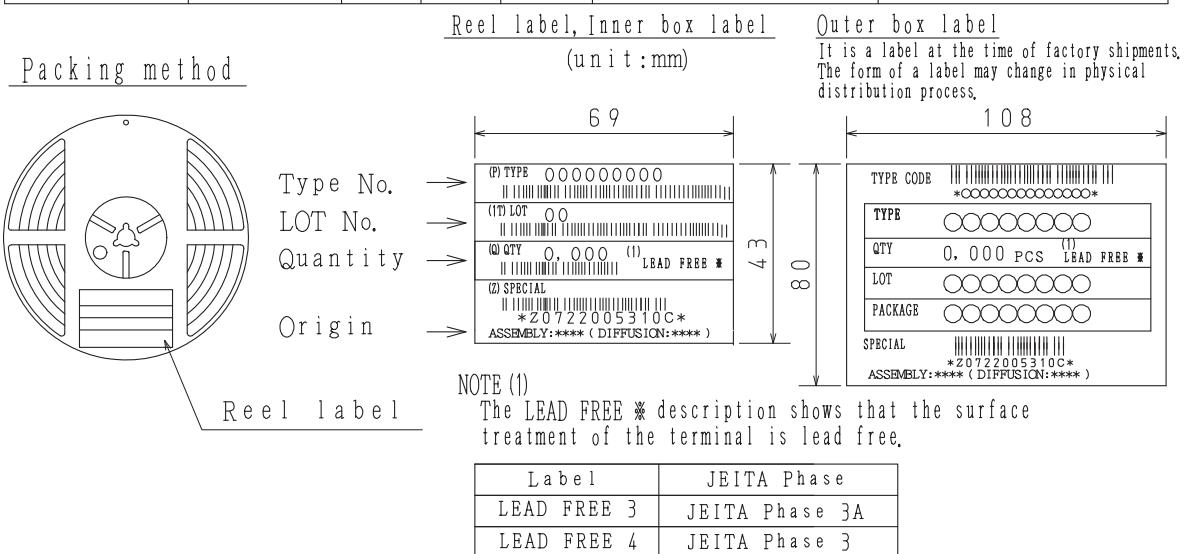


Embossed Taping Specification

1SV267-TB-E

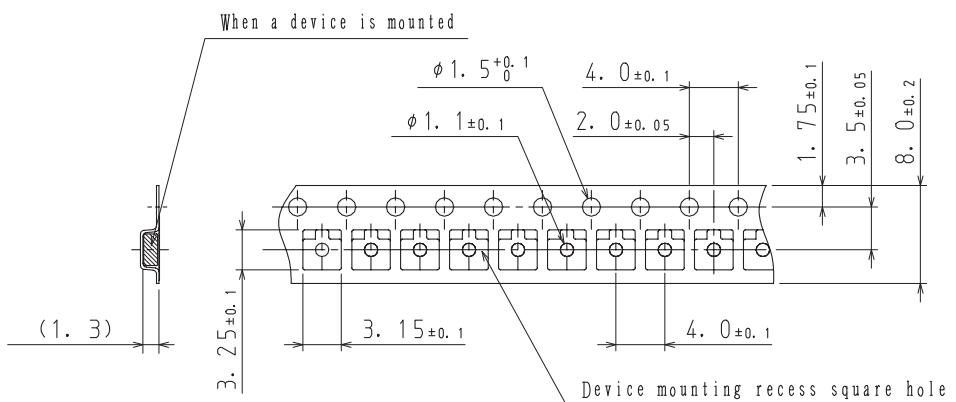
1. Packing Format

Package Name	Carrier Tape Type	Maximum Number of devices contained (pcs)			Packing format	
		Reel	Inner box	Outer box	Inner BOX (C-1)	Outer BOX (A-7)
CP	CP	3,000	15,000	90,000	5 reels contained Dimensions:mm (external) 183×72×185	6 inner boxes contained Dimensions:mm (external) 440×195×210

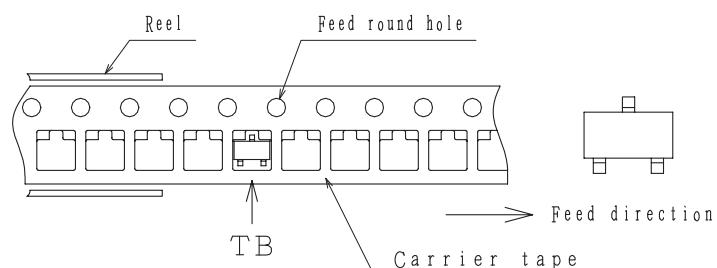


2. Taping configuration

2-1. Carrier tape size (unit:mm)

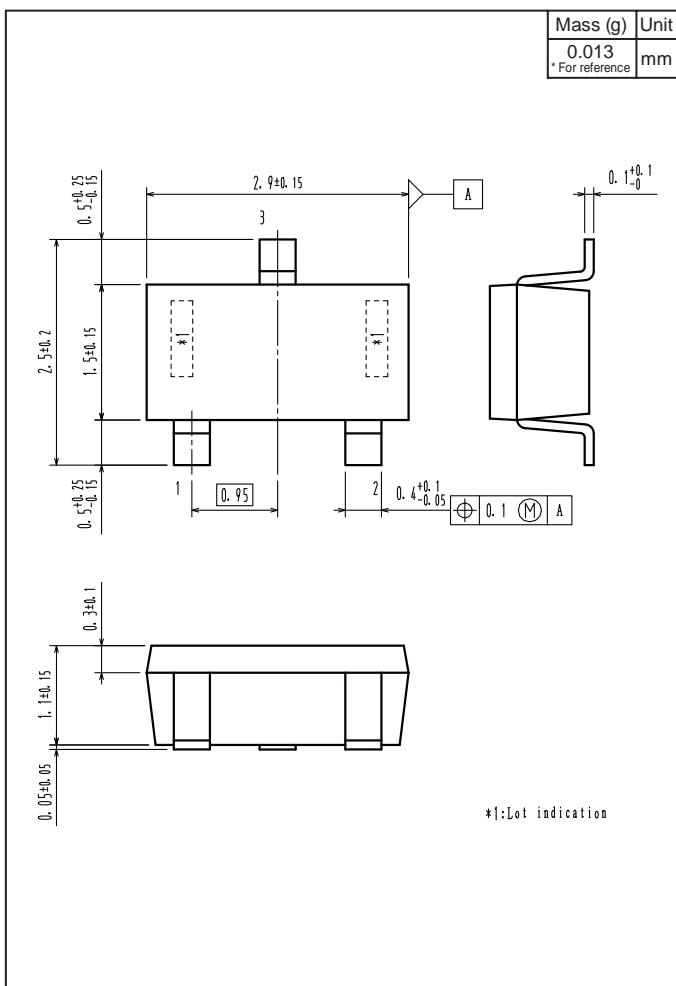


2-2. Device placement direction

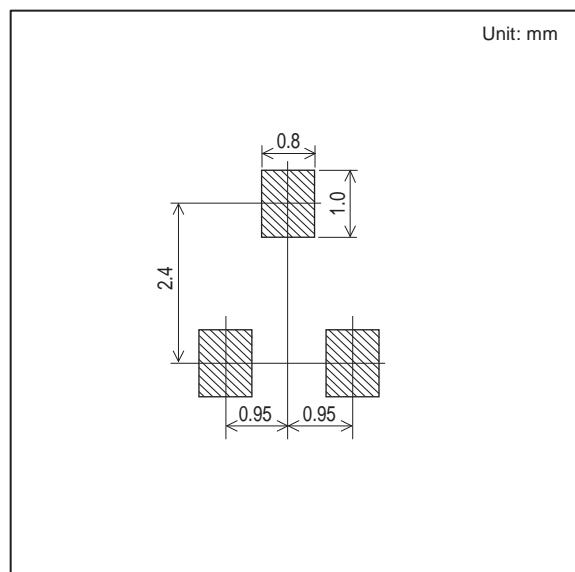


Outline Drawing

1SV267-TB-E



Land Pattern Example



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