



SANYO Semiconductors

## DATA SHEET

# 1SV263

 — Silicon Epitaxial Type  
**Pin Diode for VHF, UHF, AGC Applications**

## Features

- Ultrasmall-sized package facilitates high-density mounting and permits 1SV263-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		100	mW
Junction Temperature	$T_J$		125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$		-55 to +125	$^\circ\text{C}$

### Electrical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	$V_R$	$I_R=10\mu\text{A}$	50			V
Reverse Current	$I_R$	$V_R=50\text{V}$			0.1	$\mu\text{A}$
Forward Voltage	$V_F$	$I_F=50\text{mA}$		0.91	0.95	V
Interterminal Capacitance	C	$V_R=50\text{V}$ , $f=1\text{MHz}$		0.23	0.4	pF
Series Resistance	$r_s$	$I_F=5\text{mA}$ , $f=100\text{MHz}$		4.0	8.0	$\Omega$
		$I_F=10\text{mA}$ , $f=100\text{MHz}$		2.5	4.5	$\Omega$

Marking : JV

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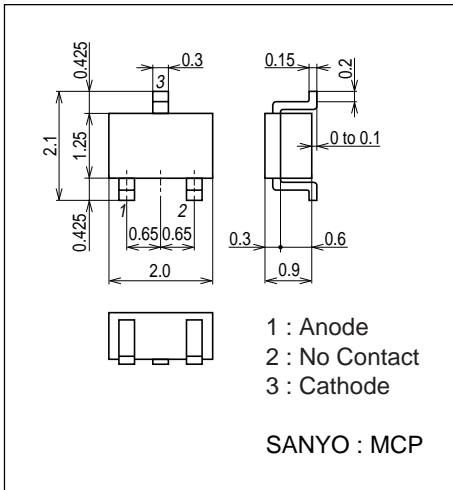
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TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

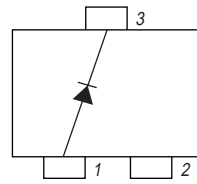
# 1SV263

## Package Dimensions

unit : mm  
7023-005

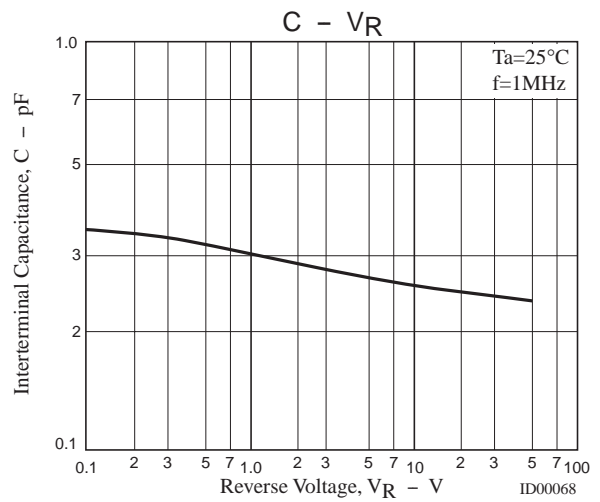
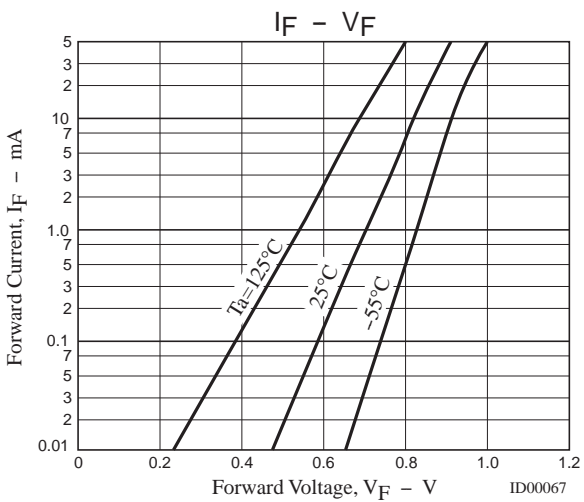


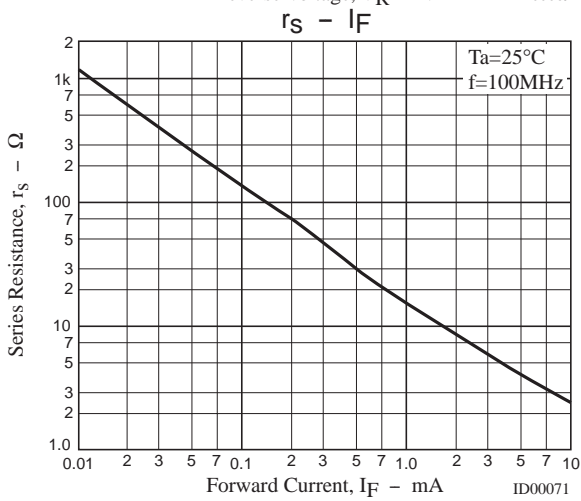
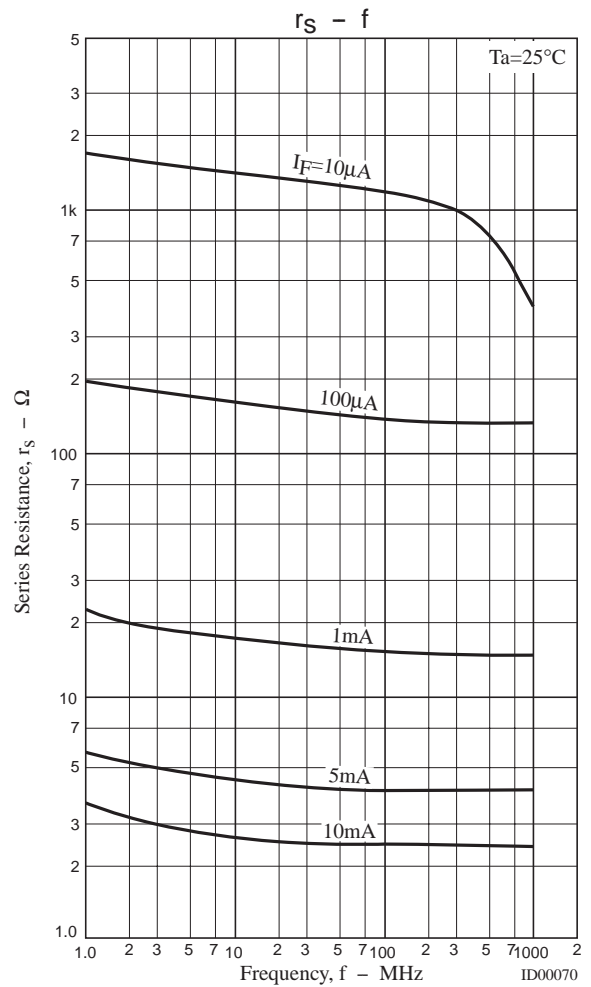
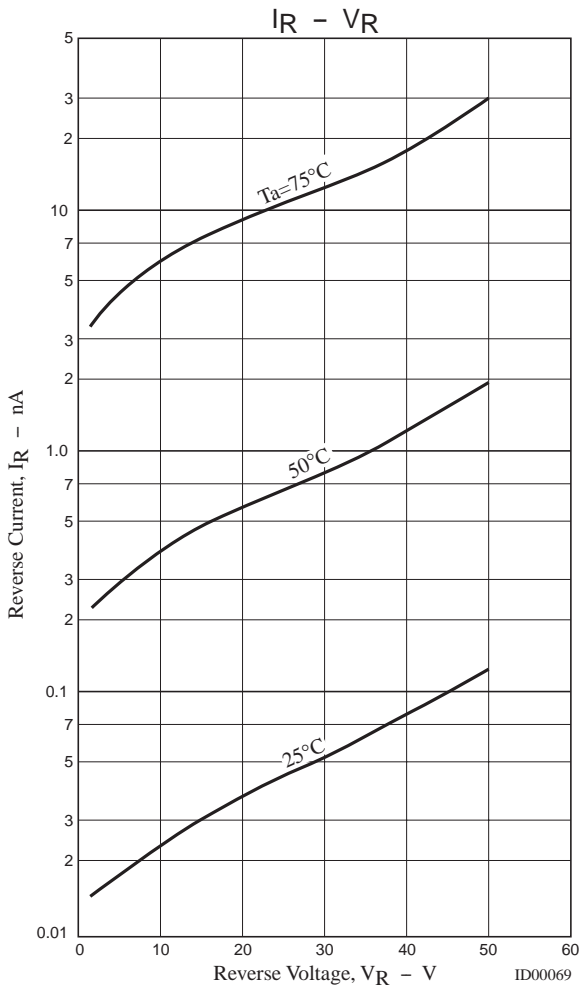
## Electrical Connection



1 : Anode  
2 : No Contact  
3 : Cathode

Top view





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