

1SV263

Silicon Epitaxial Type

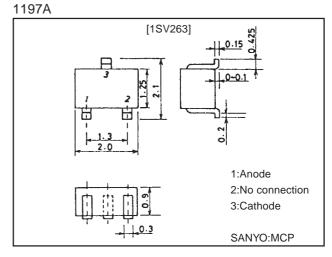
# **PIN Diode for VHF, UHF, AGC Applications**

### Features

- Very small-sized package facilitates high-density mounting and permits 1SV236-applied equipment to be made smaller.
- $\cdot$  Small interterminal capacitance (C=0.23pF typ).
- $\cdot$  Small forward series resistance (rs=2.5  $\Omega$  typ).

### **Package Dimensions**

unit:mm



## **Specifications**

### Absolute Maximum Ratings at Ta = 25°C

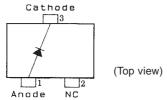
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	١ <sub>F</sub>		50	mA
Allowable Power Dissipation	Р		100	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

#### **Electrical Characteristics at Ta = 25°C**

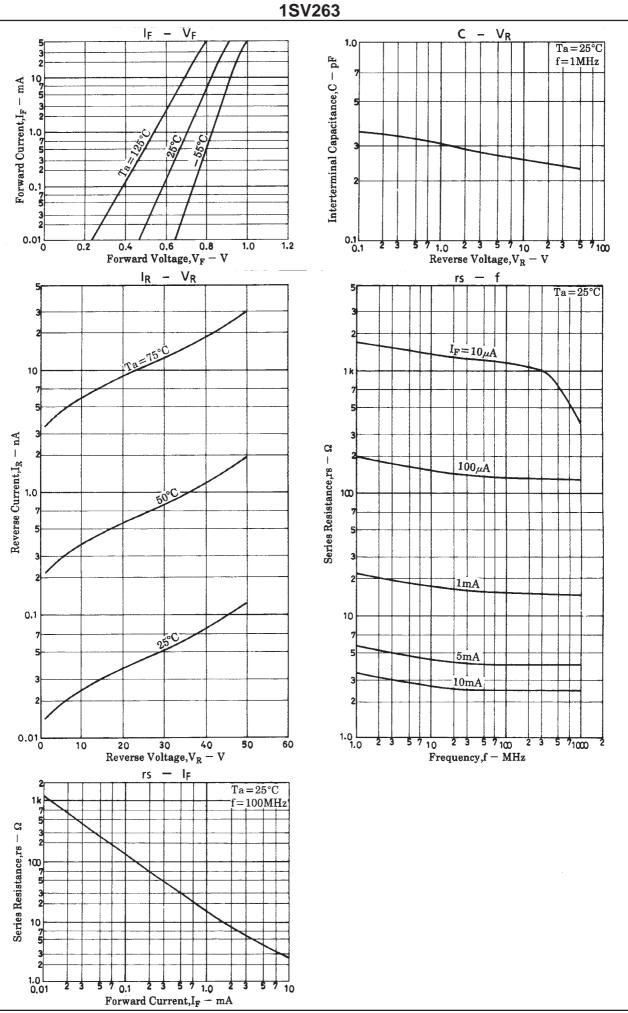
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	VR	I <sub>R</sub> =10µA	50			V
Reverse Current	۱ <sub>R</sub>	V <sub>R</sub> =50V			0.1	μA
Forward Voltage	٧ <sub>F</sub>	I <sub>F</sub> =50mA		0.91		V
Interterminal Capacitance	С	V <sub>R</sub> =50V, f=1MHz		0.23		pF
Series Resistance	rs	I <sub>F</sub> =5mA, f=100MHz		4.0		Ω
		I <sub>F</sub> =10mA, f=100MHz		2.5		Ω

· Marking:JV

#### **Electrical Connection**



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