

1SV250

Silicon Epitaxial Type

# PIN Diode for VHF, UHF, AGC Applications

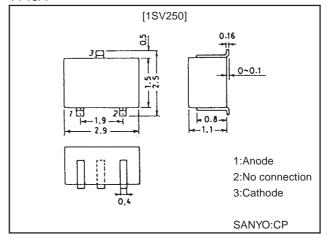
### **Features**

- Small-sized package facilitates high-density mounting and permits 1SV250-applied equipment to be made smaller.
- · Small interterminal capacitance (C=0.23pF typ).
- · Small forward series resistance (rs= $4.5\Omega$  max).

## **Package Dimensions**

unit:mm

1148A



## **Specifications**

## Absolute Maximum Ratings at Ta = 25°C

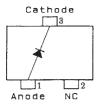
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	ΙF		50	mA
Allowable Power Dissipation	Р		150	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

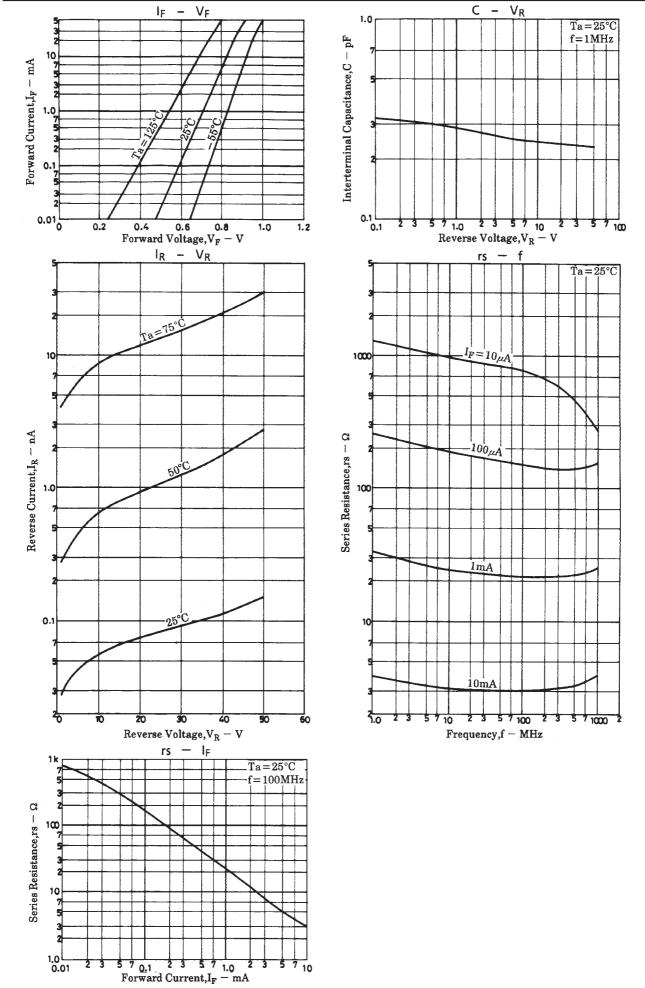
## Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	٧ <sub>R</sub>	I <sub>R</sub> =10μA	50			V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =50V			0.1	μΑ
Forward Voltage	٧ <sub>F</sub>	I <sub>F</sub> =50mA		0.92		V
Interterminal Capacitance	С	V <sub>R</sub> =50V, f=1MHz		0.23		pF
Series Resistance	rs	I <sub>F</sub> =10mA, f=100MHz			4.5	Ω

· Marking:FV

### **Electrical Connection**





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