

1SV250

Silicon Epitaxial Type

PIN Diode for VHF, UHF, AGC Applications

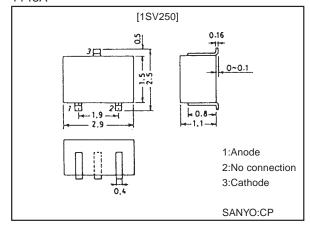
Features

- · 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= 4.5Ω 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

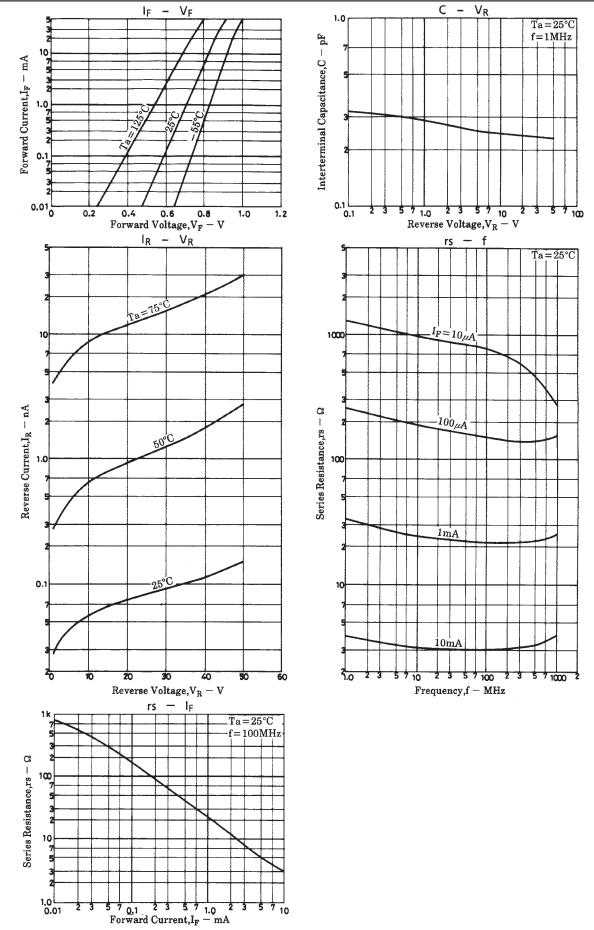
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	V_{R}	I _R =10μA	50			V
Reverse Current	I _R	V _R =50V			0.1	μA
Forward Voltage	٧ _F	I _F =50mA		0.92		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
Series Resistance	rs	I _F =10mA, f=100MHz			4.5	Ω

[·] Marking:FV

Electrical Connection



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