

1SV272

Silicon Epitaxial Type

Transmitting, Receiving Antenna-switch Use PIN Diode

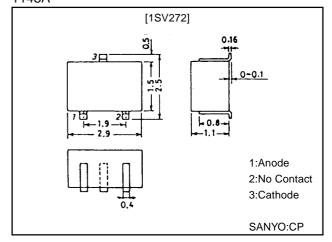
Features

- Series connection of 2 elements in a Very smallsized package facilitates high-density mounting and permits 1SV272-applied equipment to be made smaller.
- · Small interterminal capacitance (C=0.6pF typ).
- · Small forward series resistance (rs= 0.5Ω typ).

Package Dimensions

unit:mm

1148A



Specifications

Absolute Maximum Ratings at Ta = 25°C

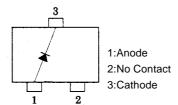
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V _R		50	V
Forward Current	I _F		100	mA
Allowable Power Dissipation	Р		150	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

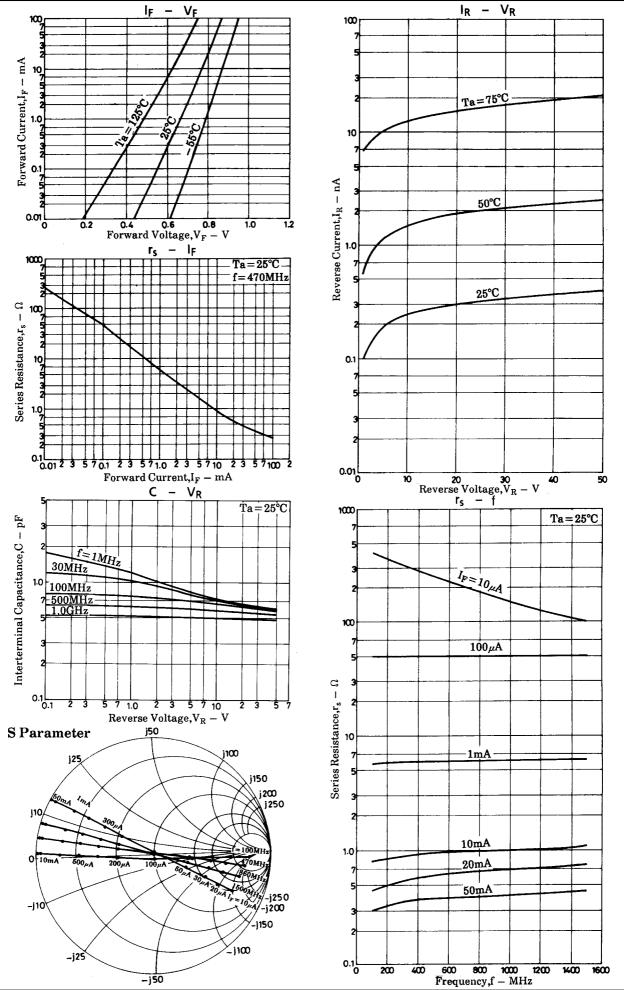
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	٧ _R	I _R =10μA	50			V
Reverse Current	I _R	V _R =45V			0.5	μΑ
Forward Voltage	٧F	I _F =100mA		0.87	1.0	V
Interterminal Capacitance	С	V _R =40V, f=1MHz		0.6	1.0	pF
Series Resistance	rs	I _F =50mA, f=470MHz		0.5	0.7	Ω

· Marking:MV

Electrical Connection





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