1SV251

PIN Diode Dual series PIN Diode for VHF, UHF and AGC 50V, 50mA, r_s =max 4.5 Ω , CP



Features

- Small-sized package facilitates high-density mounting and permits 1SV251-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)
- Small forward series resistance (rs= 4.5Ω max)

Specifications

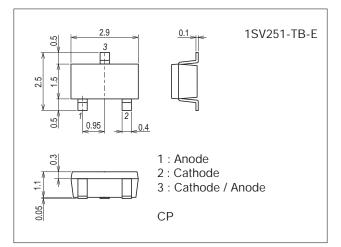
Absolute Maximum Ratings at Ta=25°C

Symbol	Conditions	Ratings	Unit
VR		50	V
IF		50	mA
Р		150	mW
Tj		125	°C
Tstg		-55 to +125	°C
	V _R I _F P Tj	V _R IF P Tj	VR 50 IF 50 P 150 Tj 125

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

Package Dimensions

unit : mm (typ) 7013A-008



Product & Package Information

- Package
- JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB

: CP

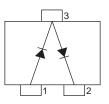
• Minimum Packing Quantity : 3,000 pcs./reel

Packing Type: TB



Marking

Electrical Connection



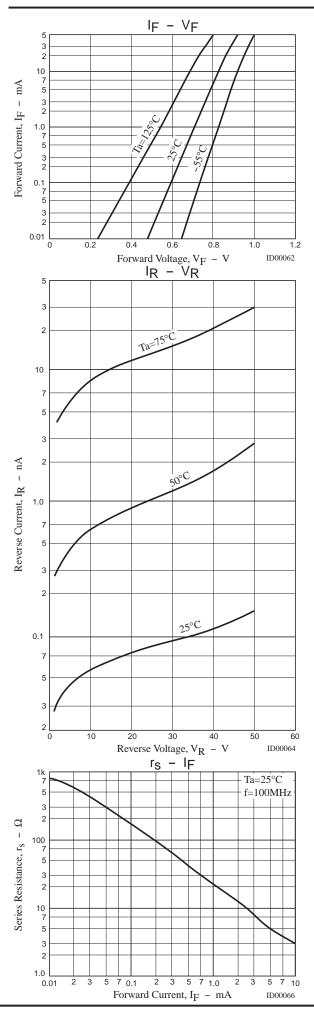
Electrical Characteristics at Ta=25°C

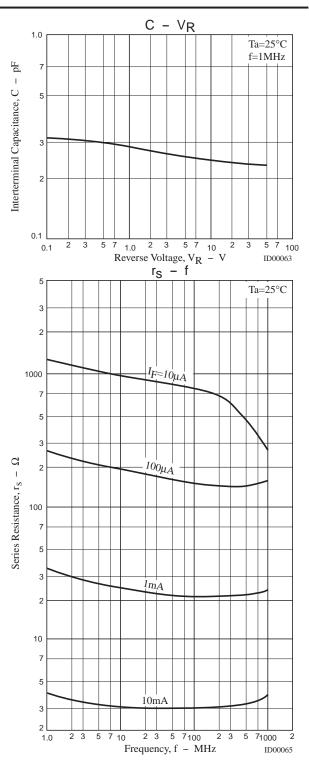
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.92		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		рF
Series Resistance	rs	IF=10mA, f=100MHz			4.5	Ω

Note : The specifications shown above are for each individual diode.

Ordering Information

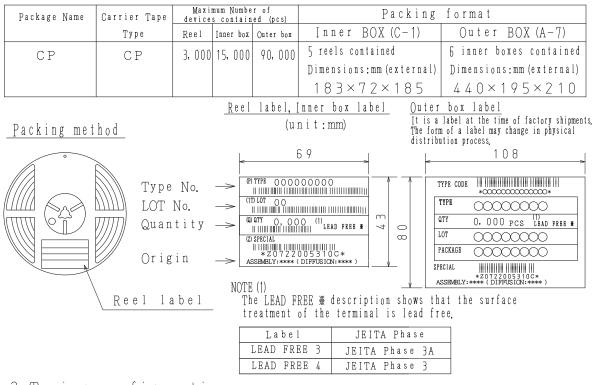
Device	Package	Shipping	memo
1SV251-TB-E CP		3,000pcs./reel	Pb Free



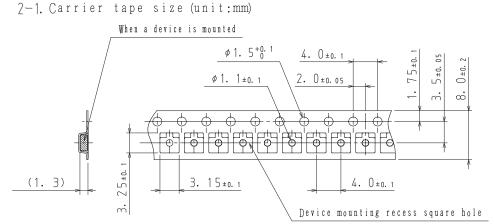


Embossed Taping Specification 1SV251-TB-E

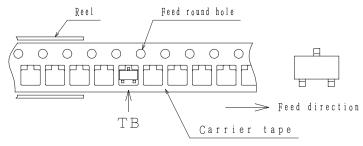
1. Packing Format



2. Taping configuration

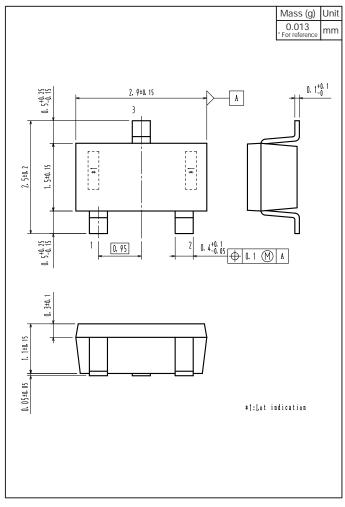


2-2. Device placement direction

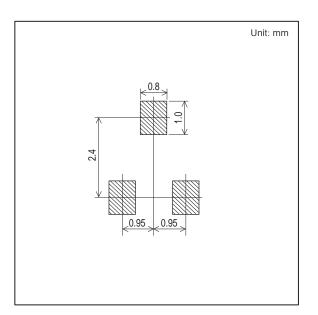


Those with one electrode terminal on the feed hole side TB

Outline Drawing 1SV251-TB-E



Land Pattern Example



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