1SV234

PIN Diode Dual series PIN Diode for VHF, UHF and AGC 50V, 50mA, r_s =typ 5 Ω , CP



Features

- Series connection of 2 elements in an ultrasmall package facilitates high-density mounting and permits 1SV234-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)
- Small forward series resistance (rs=5 Ω typ)

Specifications

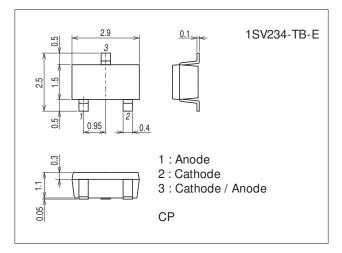
Absolute Maximum Ratings at Ta=25°C

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

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

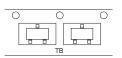
- Package
- JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB

: CP

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

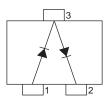
Packing Type: TB

Marking





Electrical Connection



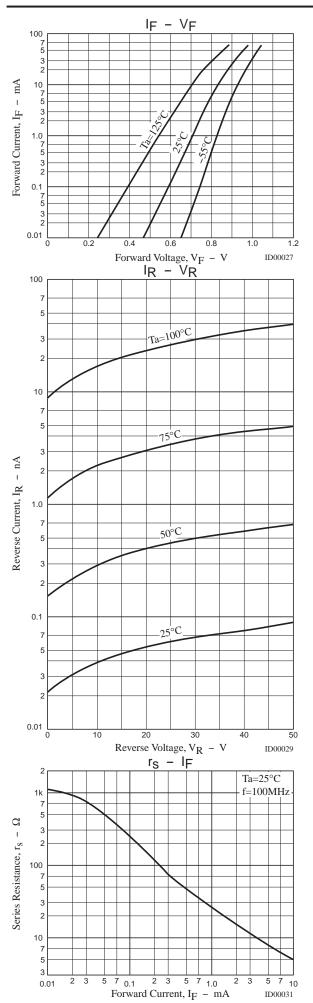
Electrical Characteristics at Ta=25°C

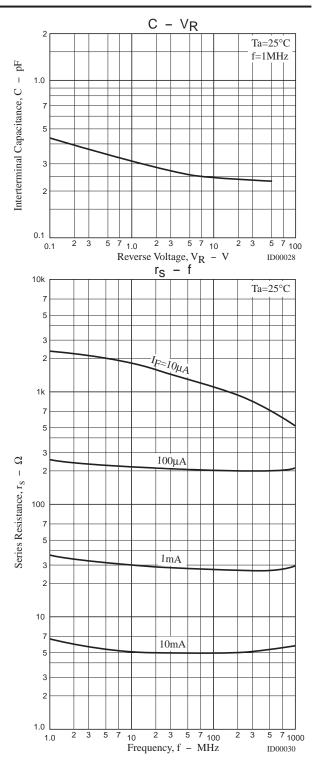
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.95		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
Series Resistance	rs	IF=10mA, f=100MHz		5		Ω

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

Ordering Information

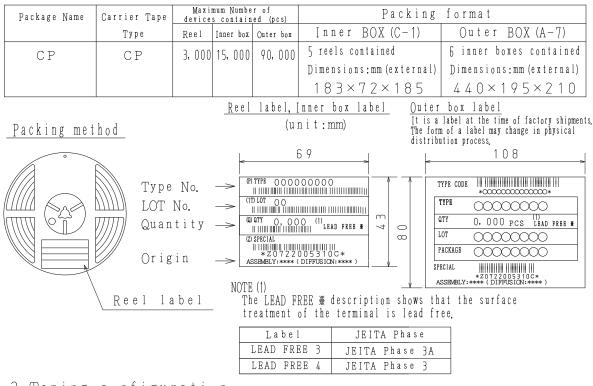
Device	Package	Shipping	memo	
1SV234-TB-E	CP	3,000pcs./reel	Pb Free	



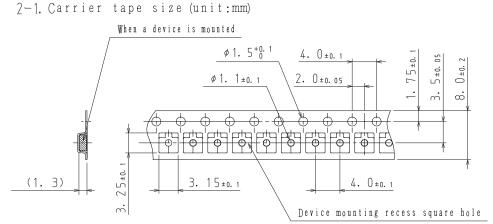


Embossed Taping Specification 1SV234-TB-E

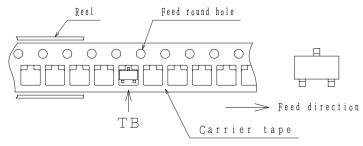
1. Packing Format



2. Taping configuration

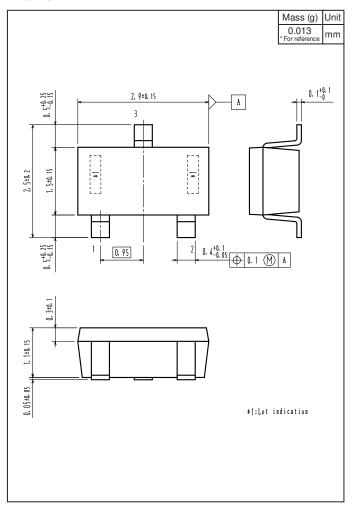


2-2. Device placement direction

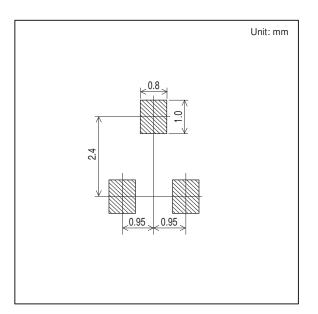


Those with one electrode terminal on the feed hole side $\cdots TB$

Outline Drawing 1SV234-TB-E



Land Pattern Example



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