

SANYO Semiconductors DATA SHEET

An ON Semiconductor Company

1SV234 — Silicon Epitaxial Type

PIN Diode for VHF, UHF, AGC Applications

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= 5Ω typ)

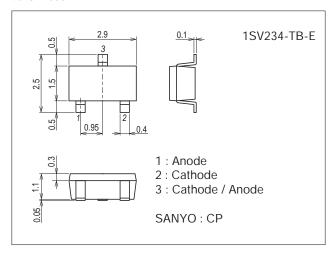
Specifications

Absolute Maximum Ratings at Ta=25°C

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

Package Dimensions

unit : mm (typ) 7013A-008



Product & Package Information

• Package : CP

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

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

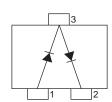
Packing Type: TB

TIB



Marking

Electrical Connection



1SV234

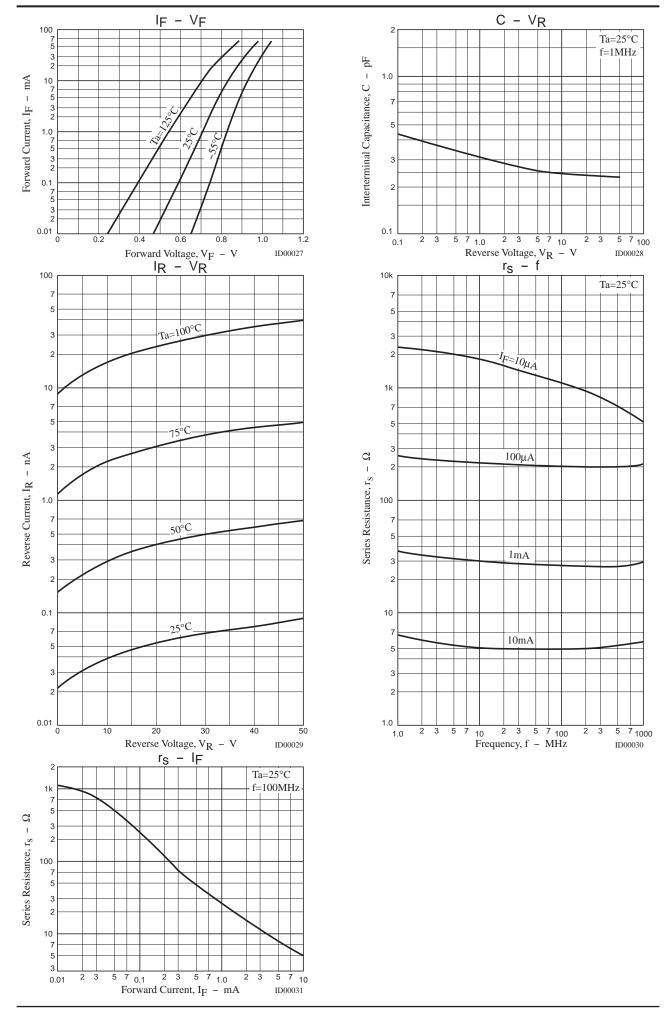
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Parameter		Conditions	min	typ	max] Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	I _F =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	СР	3,000pcs./reel	Pb Free	

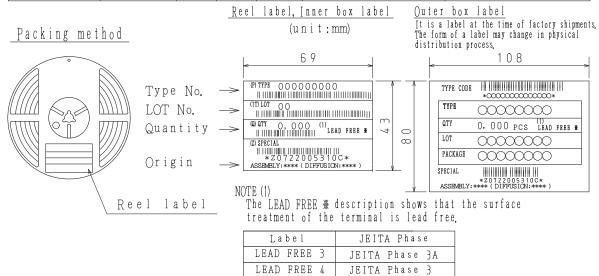


Embossed Taping Specification

1SV234-TB-E

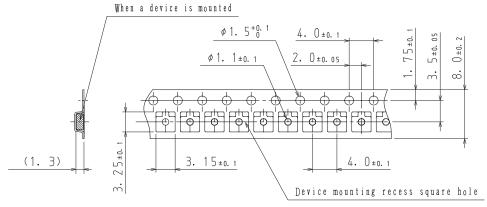
1. Packing Format

ſ	Package Name	Carrier Tape	Maximum Number of devices contained (pcs)			Packing format		
		Туре	Reel	Inner box	Outer box	Inner $BOX(C-1)$	Outer BOX (A-7)	
	СР	СР	3, 000	15, 000	90,000	5 reels contained	6 inner boxes contained	
						Dimensions:mm (external)	Dimensions:mm (external)	
						183×72×185	440×195×210	

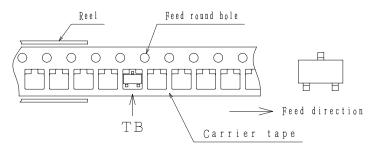


7. Taping configuration

2-1. Carrier tape size (unit:mm)



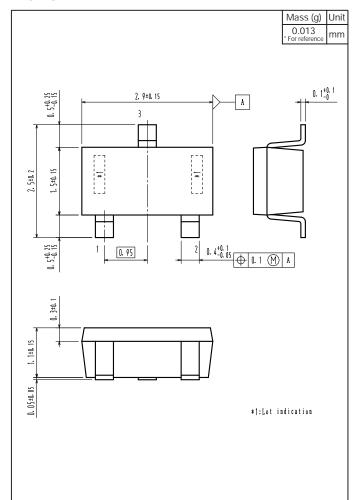
2-2. Device placement direction



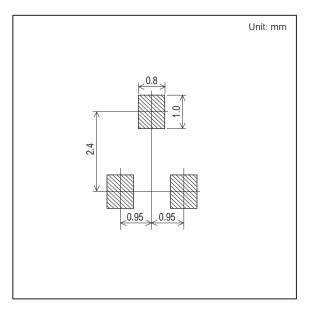
Those with one electrode terminal on the feed hole side·····TB

Outline Drawing

1SV234-TB-E



Land Pattern Example



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