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1SV264



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PIN Diode

Dual series PIN Diode for VHF, UHF and AGC 50V, 50mA, r_S =typ 2.5 Ω , MCP

Features

- · Series connection of 2 elements in an ultlasmall package facilitates high-density mounting and permits 1SV264-applied equipment to be made smaller
- Small interterminal capacitance(C=0.23pF typ)
- Small forward series resistance($r_S=2.5\Omega$ typ)

Specifications

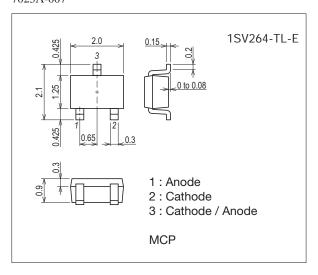
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	IF		50	mA
Allowable Power Dissipation	Р		100	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) 7023A-007

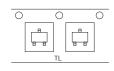


Product & Package Information

• Package

• JEITA. JEDEC : SC-70, SOT-323 • Minimum Packing Quantity: 3,000 pcs./reel

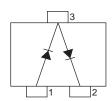
Packing Type: TL



Marking



Electrical Connection



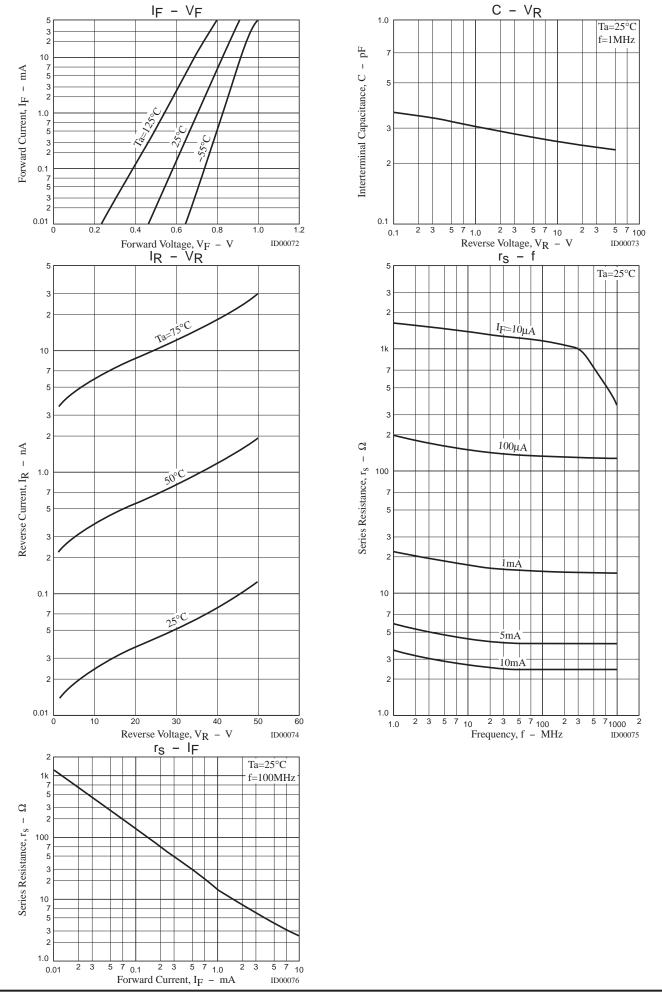
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Parameter		Conditions	min	typ	max	UIIIL
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.91	0.95	V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23	0.4	pF
Series Resistance	r _S	I _F =5mA, f=100MHz		4.0	8.0	Ω
Series Resistance		I _F =10mA, f=100MHz		2.5	4.5	Ω

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

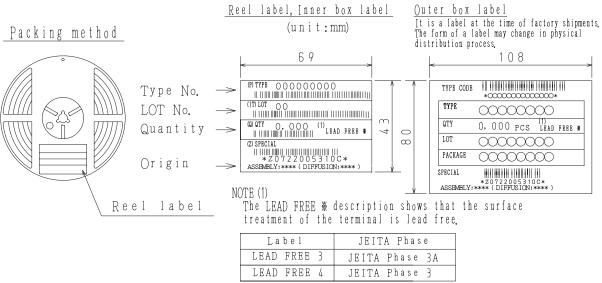
Ordering Information

Device	Package	Shipping	memo		
1SV264-TL-E	MCP	3,000pcs./reel	Pb Free		



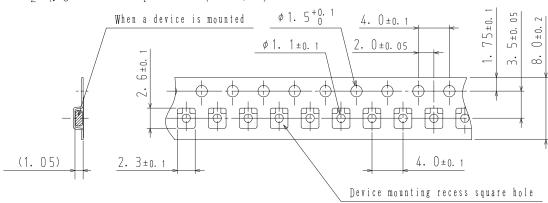
1. Packing Format

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)	
MCP	MCP	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	

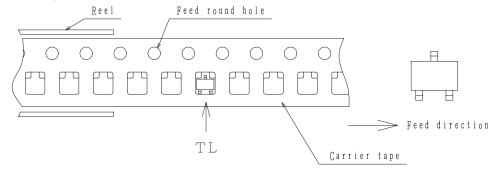


2. Taping configuration

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



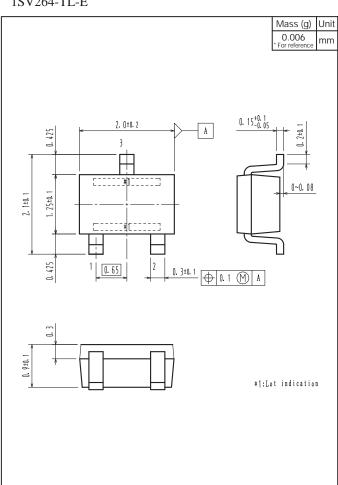
7-7. Device placement direction



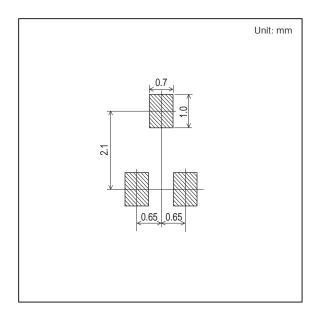
Those with oen electrode terminal on the feed hole side·····TL

Outline Drawing

1SV264-TL-E



Land Pattern Example



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