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1SV264

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

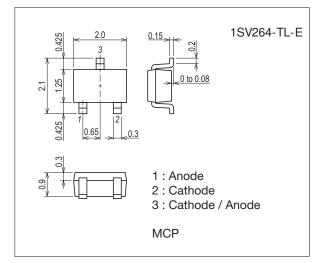
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	IF		50	mA
Allowable Power Dissipation	Р		100	mW
Junction Temperature	Тј		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



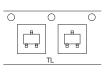
Product & Package Information

• Package : MCP

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

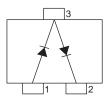
Packing Type: TL

Marking





Electrical Connection



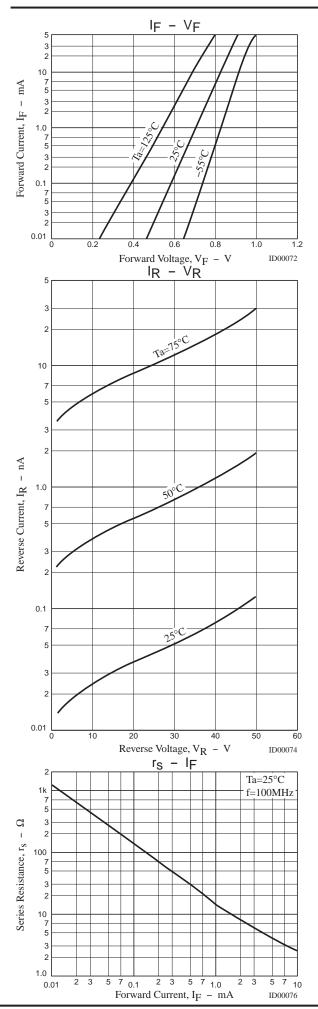
Electrical Characteristics at Ta=25°C

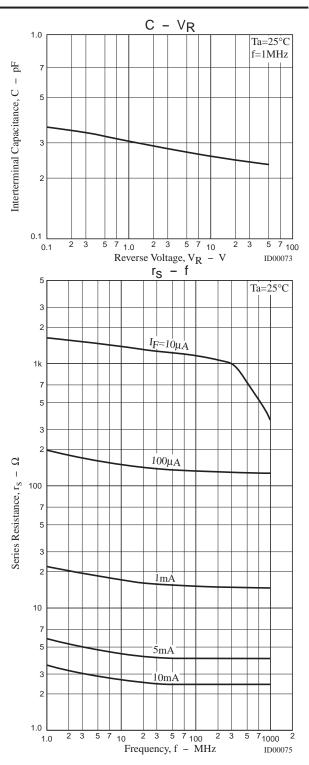
Parameter	Symbol	Conditions	Ratings			Unit
		Conditions	min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.91	0.95	V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23	0.4	pF
Series Resistance	r _s	IF=5mA, f=100MHz		4.0	8.0	Ω
		IF=10mA,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





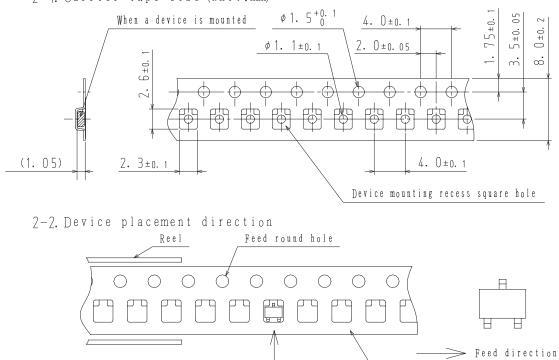
Embossed Taping Specification 1SV264-TL-E

1. Packing Format

Package Name	Carrier Tape	pe Maximum Number of Packing			f o r m a t	
	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
Packing met	Type LOT	No. tity in	NOTE Th tr	(U 1 (U 1 (U 1 (U 1) (U 1)	n i t : mm) The ford district of the ford ford ford ford of the ford ford ford ford ford ford ford ford	

2. Taping configuration

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

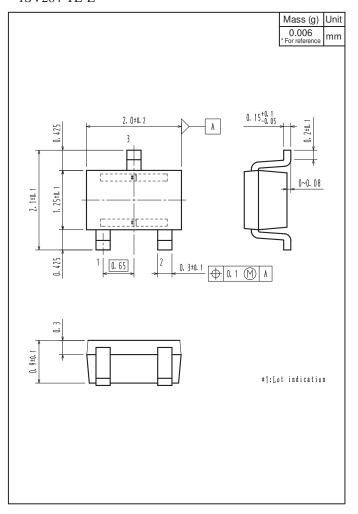


Those with oen electrode terminal on the feed hole side $\cdots TL$

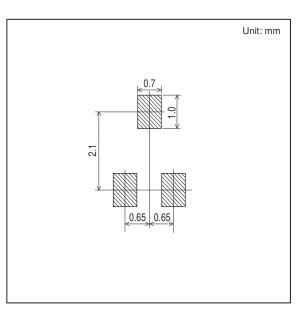
ΤL

Carrier tape

Outline Drawing 1SV264-TL-E



Land Pattern Example



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