

1SV264

SANYO Semiconductors

DATA SHEET

An ON Semiconductor Company

Silicon Epitaxial Type Pin Diode for VHF, UHF, AGC Applications

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

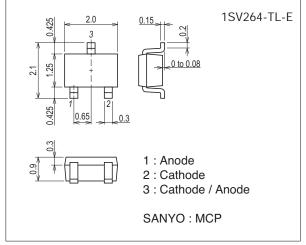
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	IF		50	mA
Allowable Power Dissipation	Р		100	mV
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Package Dimensions

unit : mm (typ) 7023A-007





Product & Package Information

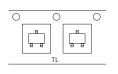
- Package
- JEITA, JEDEC : SC-70, SOT-323

: MCP

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

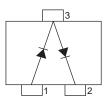
Packing Type: TL

Marking





Electrical Connection



SANYO Semiconductor Co., Ltd. http://semicon.sanyo.com/en/network

Electrical Characteristics at Ta=25°C

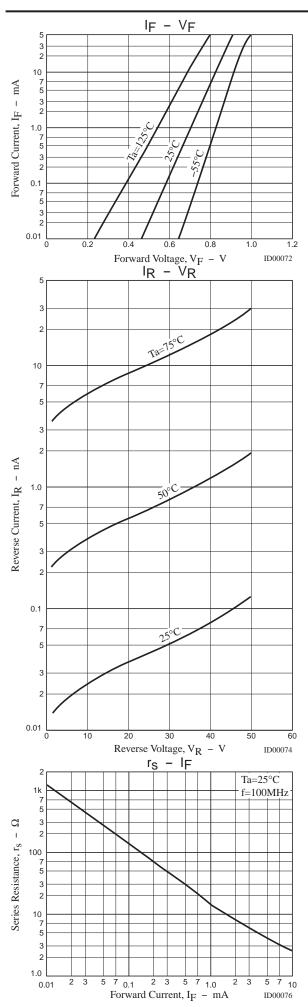
Parameter	Symbol	Conditions		Unit		
	Symbol	Conditions	min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.91	0.95	V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23	0.4	рF
Series Resistance	r _S	IF=5mA, f=100MHz		4.0	8.0	Ω
		IF=10mA,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

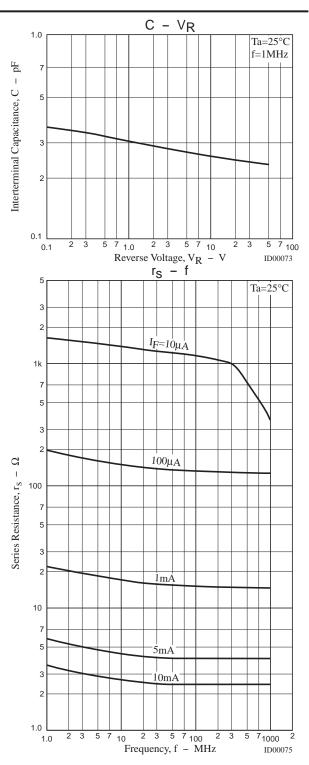
Note : The specifications shown above are for each individual diode.

Ordering Information

0			
Device	Package	Shipping	memo
1SV264-TL-E	V264-TL-E MCP		Pb Free

1SV264





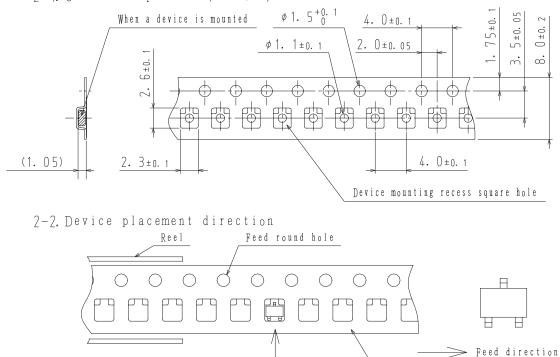
Embossed Taping Specification 1SV264-TL-E

1. Packing Format

		11	37 1					
Package Name	Carrier Tape	Maximum Number of devices contained (pcs)			Packing format			
	Туре	Reel	Inner box	Outer box	In	ner BOX	(C-1)	Outer BOX (A-7)
MCP	MCP	3,000	15,000	90,000	5 ree	els contain	e d	6 inner boxes contained
					Dime	nsions:mm ((external)	Dimensions:mm (external)
					18	3×72×	:185	440×195×210
			Reel	label, I	[nner	box label	Outer	box label
<u>Packing met</u>	h o d			(u :	nit:r	nm)	The for	label at the time of factory shipments m of a label may change in physical ution process.
0	~		L	ŧ	69		L	108
	Orig	No tity - in -	-> (17 -> (0) (2) -> (AS NOTE			IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		TYPE CODE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	∖ Reel la	bel				descriptio: terminal		at the surface ee.
				Label	1	JEITA	Phase	
				LEAD FRI	EE 3	JEITA F	hase 3A	
				LEAD FRI	EE 4	JEITA H	hase 3	

2. Taping configuration

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

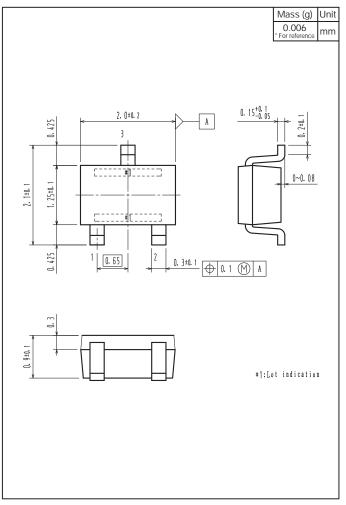


Those with oen electrode terminal on the feed hole side $\cdots TL$

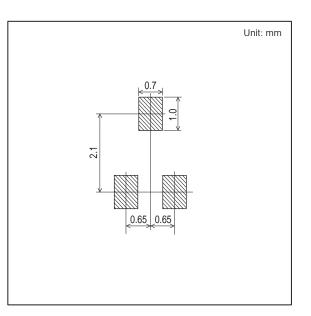
ΤL

Carrier tape

Outline Drawing 1SV264-TL-E



Land Pattern Example



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