

SANYO Semiconductors

DATA SHEET

An ON Semiconductor Company

1SV263

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

Features

- Ultlasmall-sized package facilitates high-density mounting and permits 1SV263-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)
- Small forward series resistance ($r_s=2.5\Omega$ typ)

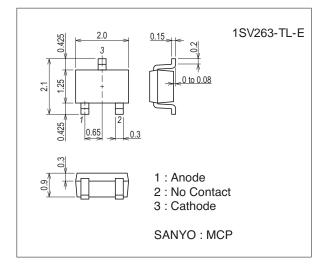
Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	١ _F		50	mA
Allowable Power Dissipation	Р		100	mW
Junction Temperature	Tj		125	C
Storage Temperature	Tstg		-55 to +125	C

Package Dimensions

unit : mm (typ) 7023A-005



Product & Package Information

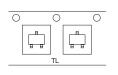
- Package
- JEITA, JEDEC : SC-70, SOT-323

: MCP

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

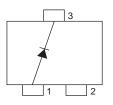
Packing Type: TL

Marking





Electrical Connection



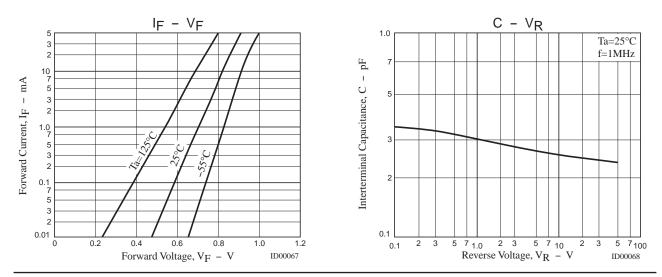
SANYO Semiconductor Co., Ltd. http://semicon.sanyo.com/en/network

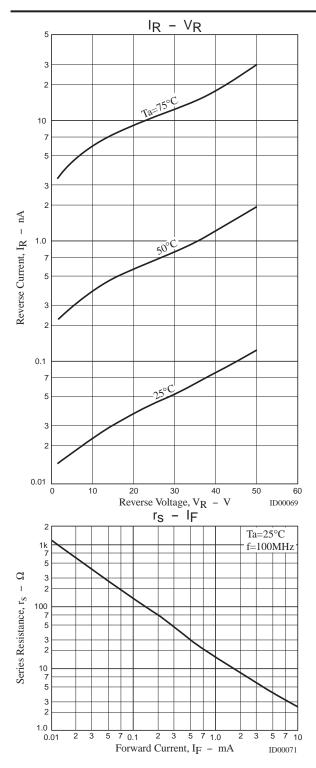
Electrical Characteristics at Ta=25°C

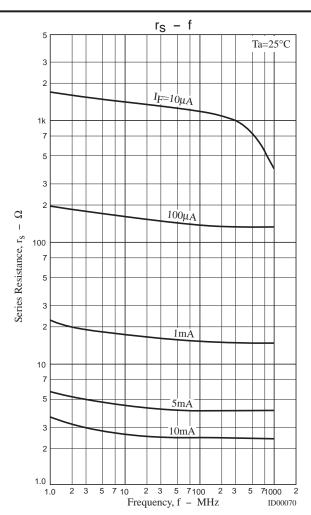
Parameter	Symbol	Conditions		Unit			
Faranieter	Symbol	Conditions	min	typ	max	Unit	
Reverse Voltage	VR	I _R =10μA	50			V	
Reverse Current	IR	V _R =50V			0.1	μΑ	
Forward Voltage	VF	IF=50mA		0.91	0.95	V	
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23	0.4	pF	
Series Resistance	۲ _S	IF=5mA, f=100MHz		4.0	8.0	Ω	
Selles Resistance		IF=10mA, f=100MHz		2.5	4.5	Ω	

Ordering Information

Device	Package	Shipping	memo		
1SV263-TL-E	MCP	3,000pcs./reel	Pb Free		







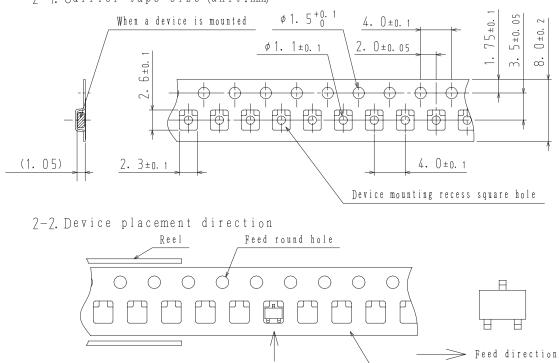
Embossed Taping Specification 1SV263-TL-E

1. Packing Format

Package Name	Carrier Tape	e Maximum Number of devices contained (pcs)			Packing format			
	Туре		Inner box		Inn	ler BO	K (C-1)	Outer BOX (A-7)
MCP	MCP	3,000	15,000	90,000	5 ree	ls contai	n e d	6 inner boxes contained
					Dimensions:mm (external)			l) Dimensions:mm (external)
					18	3×72	×185	440×195×210
Packing met	Type LOT Quan Orig	No. tity	-> (P (P) (P) (P) (P) (P) (P) (P) (P) (P) ()TYPE 0 0 0 C 111111111111111111111111111111111111	nner b nit:m 59 0000000 0000000 0000000 0000000 000000	0 0 X a be m) 	l Out It i The dist	er box label sa label at the time of factory shipment corm of a label may change in physical ribution process. 108 TYPE code QTY 0,000 pcs LEAD FREE # LOT PACKAGE SPECIAL #2005310C*** ASSEMELY:***** (DIFFUSION:****) that the surface
				Label			A Phase	
				LEAD FRE			Phase 3	A
				LEAD FRI	EE 4	JEITA	Phase 3	

2. Taping configuration

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

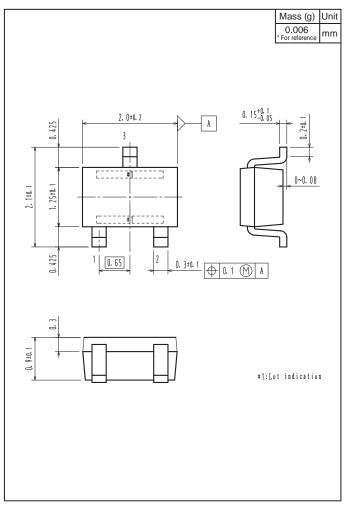


Those with oen electrode terminal on the feed hole side \cdots TL

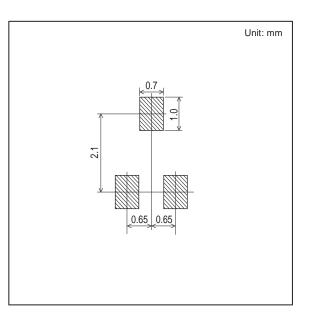
ΤL

Carrier tape

Outline Drawing 1SV263-TL-E



Land Pattern Example



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