

SANYO Semiconductors

DATA SHEET

An ON Semiconductor Company

1SV315 — Silicon Epitaxial Pin Diode Variabe resistance Attenuator Use

Features

- Ultrasmall-sized package facilitates high-density mounting and permits 1SV315-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)

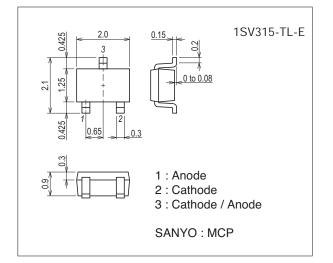
Specifications

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

Package Dimensions

unit : mm (typ) 7023A-007

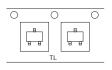


Product & Package Information

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

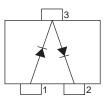
Packing Type: TL

Marking





Electrical Connection



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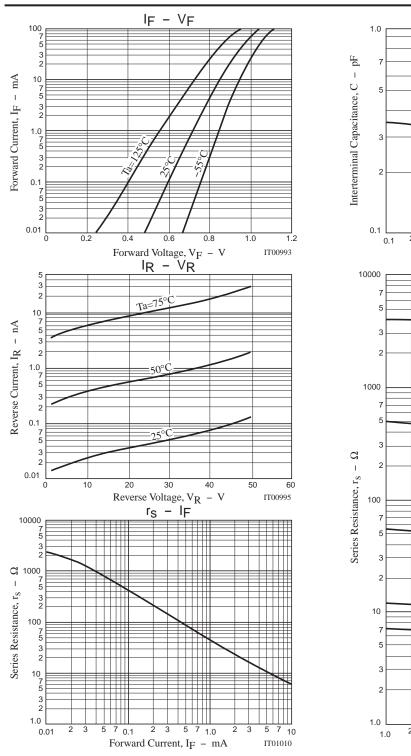
Electrical Characteristics at Ta=25°C

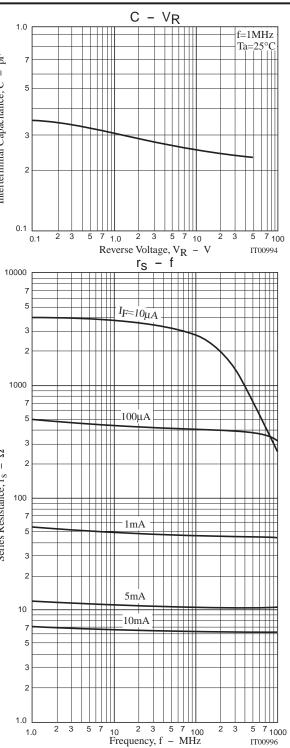
Parameter	Symbol	Conditions		Unit			
Parameter	Symbol	Conditions	min	typ	max	Unit	
Reverse Voltage	VR	IR=10μA	50			V	
Reverse Current	IR	V _R =50V			0.1	μΑ	
Forward Voltage	VF	IF=50mA		0.95	1.0	V	
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF	
Series Resistance	r _S	IF=10μA, f=100MHz		2400		Ω	
Selles Resistance		IF=10mA, f=100MHz	4	6	9	Ω	

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

Ordering Information

0					
Device	Package	Shipping	memo		
ISV315-TL-E MCP		3,000pcs./reel	Pb Free		





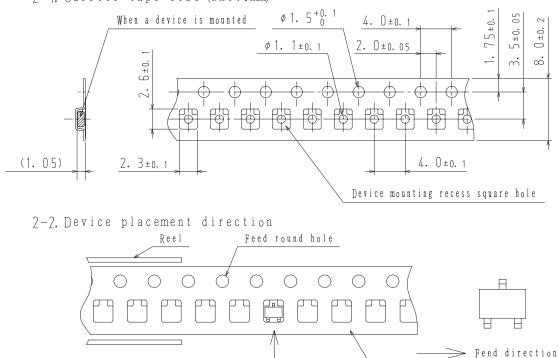
Embossed Taping Specification 1SV315-TL-E

1. Packing Format

		Mavimu	ım Numbo	r of			1.1		
Package Name			Maximum Number of evices contained (pcs)		Packing format				
	Туре	Reel I	nner box	ier box Outer box I		ler BOX	(C-1)	Outer BOX (A-7)	
MCP	MCP	3,000 15,000 90,00			5 ree	ls containe	e d	6 inner boxes contained	
	111 0 1				Dimensions:mm (external)		external)	[]imensions:mm (external)	
					18	3 × 7 2 ×	185	440×195×210	
Packing met	: h o d		<u>R</u> eel		[nner b nit:m	m)	It is a The form	<u>box label</u> label at the time of factory shipments n of a label may change in physical	
			-	(69	>	distrib	ution process. 108	
	Type LOT		-> (()	TYPE 0000 				YPE CODE # !! # !! # !! # !! # !! # !! # !! # !	
	Quan Orig	tity -	(Z)	QTY 0,00 	005310	C*	8	DTY 0,000 pcs Diamondary Diamony Diamondary Diamondary	
	UI I g	111 -	note	SSEMBLY:**** () (1)	DIFFUSION	:****)		ECIAL #20722005310C* SSEMELY:**** (DIFFUSION:****)	
	Reel la	abel				escription terminal i		at the surface ee.	
				Label		JEITA	Phase		
				LEAD FRE			hase 3A		
				LEAD FRI	EE 4	JEITA P	hase 3		

2. Taping configuration

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

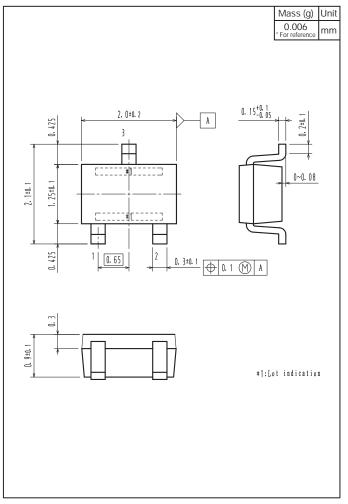


Those with oen electrode terminal on the feed hole side $\cdots TL$

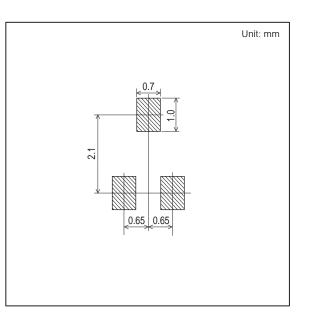
ΤL

Carrier tape

Outline Drawing 1SV315-TL-E



Land Pattern Example



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