1SV246

PIN Diode Dual series PIN Diode for VHF, UHF and AGC 50V, 50mA, r_s =typ 5 Ω , MCP



Features

- Series connection of 2 elements in a very small-sized package facilitates high-density mounting and permits 1SV246-applied equipment to be made smaller
- Small interterminal capacitance (C=0.23pF typ)
- Small forward series resistance ($r_s=5\Omega$ typ)

Specifications

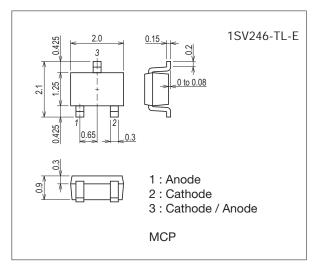
Absolute Maximum Ratings at Ta=25°C

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

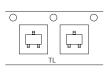
- Package
- JEITA, JEDEC : SC-70, SOT-323

: MCP

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

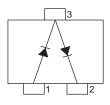
Packing Type: TL

Marking





Electrical Connection



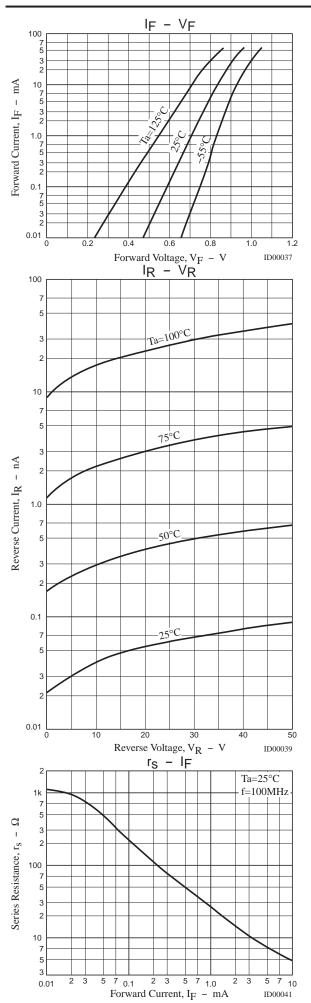
Electrical Characteristics at Ta=25°C

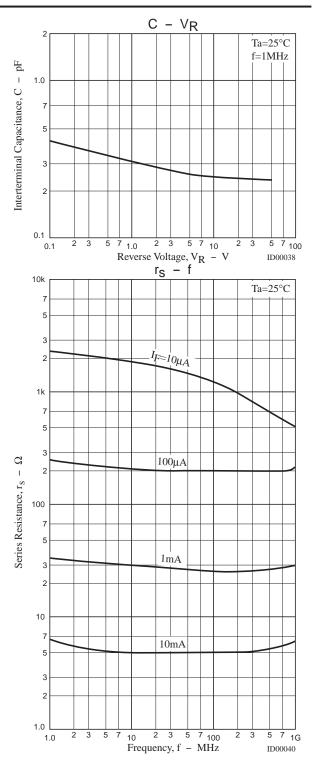
Parameter	Symbol	Conditions	Ratings			Unit
		Conditions	min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.95		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
Series Resistance	rs	IF=10mA, f=100MHz		5.0		Ω

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

Ordering Information

Device	Device Package		memo		
1SV246-TL-E			Pb Free		





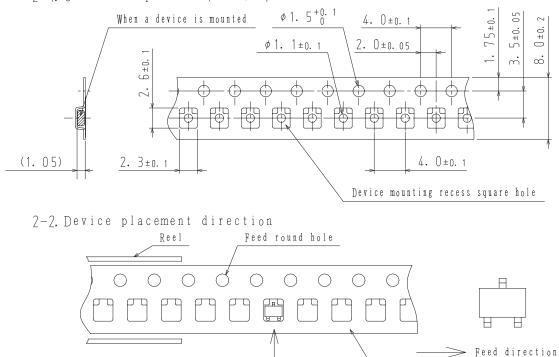
Embossed Taping Specification 1SV246-TL-E

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 1	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)

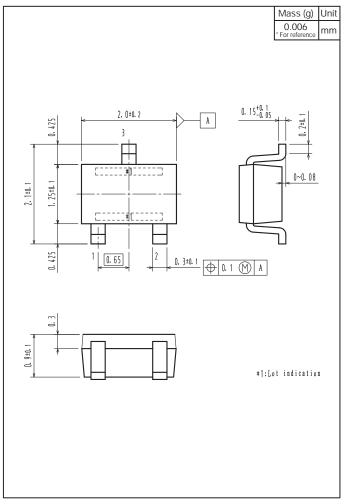


Those with oen electrode terminal on the feed hole side TL

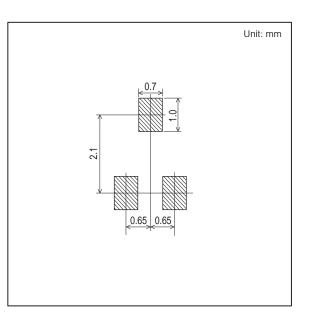
ΤL

Carrier tape

Outline Drawing 1SV246-TL-E



Land Pattern Example



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