1SS351

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Schottky Barrier Diode

Dual Series Schottky Barrier Diode for Mixer and Detector 5V, 30mA, 0.69pF, CP

Features

- Series connection of 2 elements in a small-sized package facilitates high-density mounting and permits 1SS351-applied equipment to be made smaller
- Small interterminal capacitance (C=0.69pF typ)
- Small forward voltage (VF=0.23V max)

Specifications

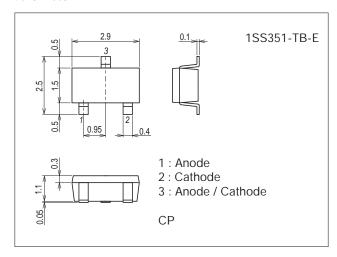
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		5	V
Forward Current	lF		30	mA
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) 7013A-003



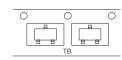
Product & Package Information

• Package : CP

• JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB

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

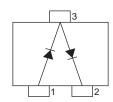
Packing Type: TB



Marking



Electrical Connection



1SS351

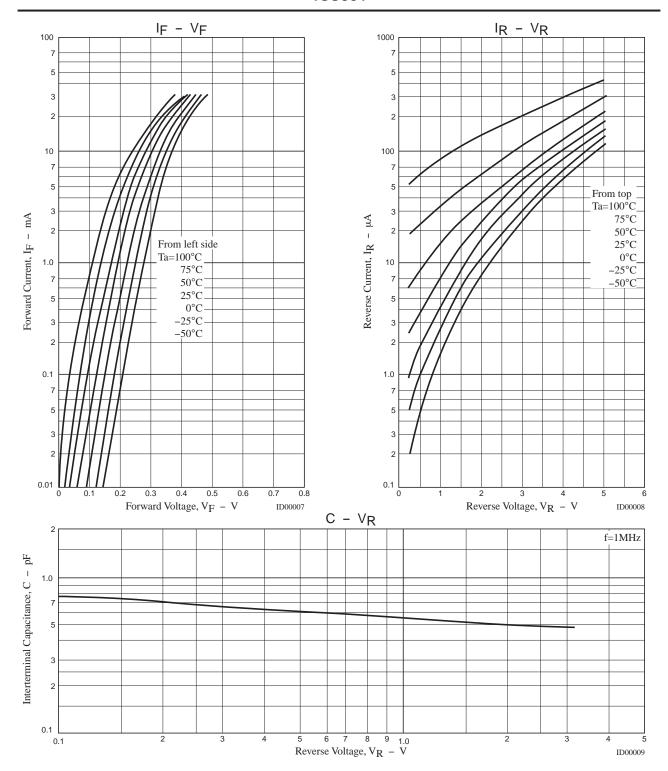
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
Parameter		Conditions	min	typ	max	
Forward Voltage	VF	IF=1mA			0.23	V
Forward Current	lF	V _F =0.5V	30			mA
Reverse Current	IR	V _R =0.5V			25	μΑ
Interterminal Capacitance	С	V _R =0.2V, f=1MHz		0.69	0.9	pF

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

Ordering Information

Device	Device Package		memo	
1SS351-TB-E	СР	3,000pcs./reel	Pb Free	

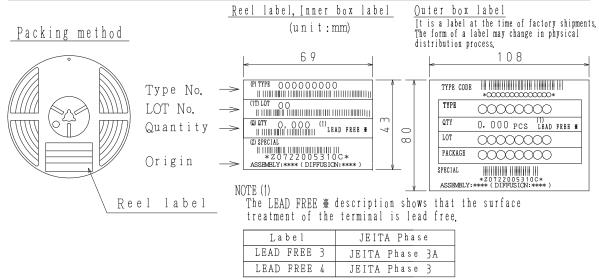


Embossed Taping Specification

1SS351-TB-E

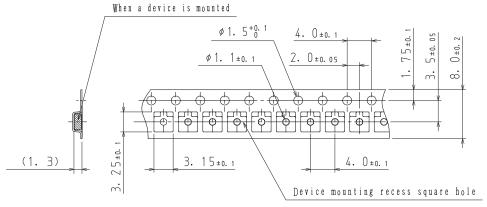
1. Packing Format

Package Name	Carrier Tape	Maximum Number of devices contained (pcs)			Packing format		
	Туре	Reel	Inner box	Outer box	Inner $BOX(C-1)$	Outer BOX (A-7)	
СР	СР	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	

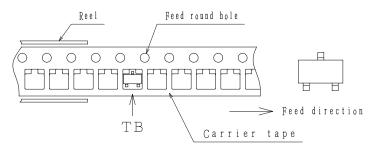


7. Taping configuration

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



2-2. Device placement direction



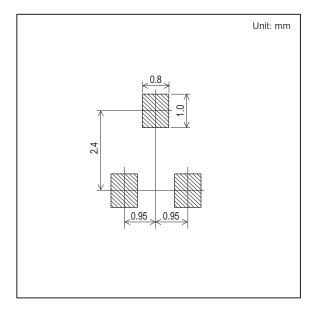
Those with one electrode terminal on the feed hole side·····TB

Outline Drawing

1SS351-TB-E

Mass (g) Unit 0.013 For reference mm 0. 1+0. 1 0. 5+0. 25 2. 9±0.15 A 3 1. 5±0. 15 2. 5±0. 2 $0.5^{+0.25}_{-0.15}$ 0. 95 0. 3±0.1 1, 1±0, 15 0. 05±0.05 *1:Lot indication

Land Pattern Example



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