1SS351

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

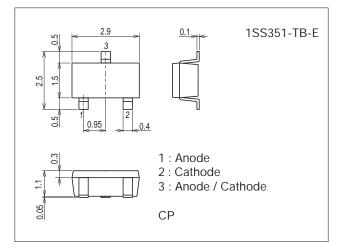
Absolute Maximum Ratings at Ta=25°C

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

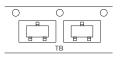
- Package
- JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB

: CP

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

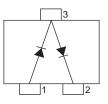
Packing Type: TB

Marking





Electrical Connection





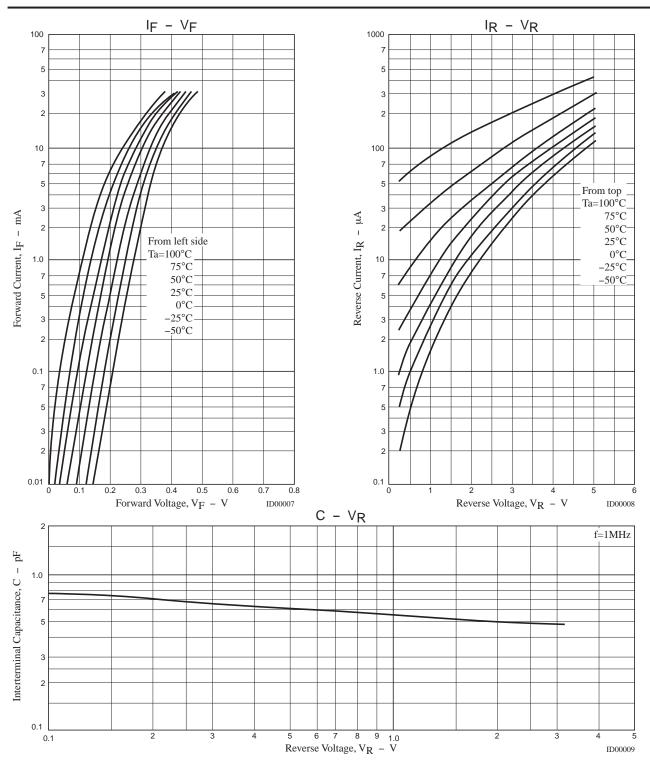
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Forward Voltage	VF	IF=1mA			0.23	V
Forward Current	IF	VF=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.

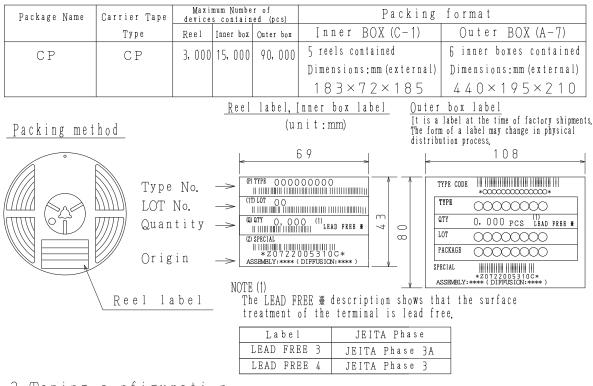
Ordering Information

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

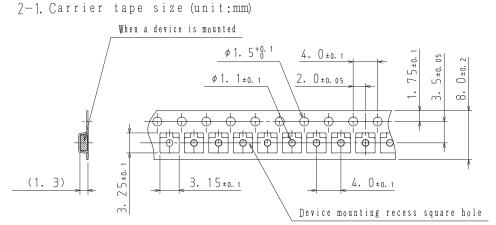


Embossed Taping Specification 1SS351-TB-E

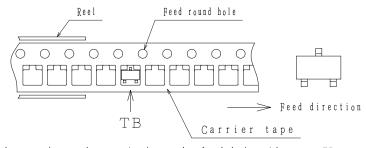
1. Packing Format



2. Taping configuration

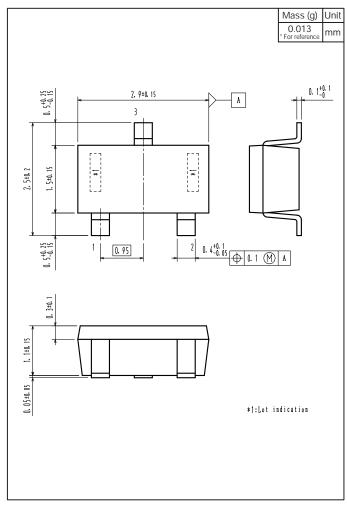


2-2. Device placement direction

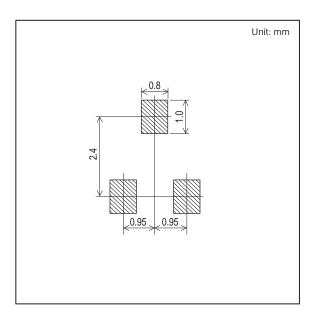


Those with one electrode terminal on the feed hole side TB

Outline Drawing 1SS351-TB-E



Land Pattern Example



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