SBX201C

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Schottky Barrier Diode

Dual Series Schottky Barrier Diode for Mixer and Detector 2V, 50mA, 0.25pF, CP

Features

- Small interterminal capacitance (C=0.25pF typ)
- · Less parastic components
- · Small forward voltage
- · Series connection of 2 elements in a small-sized package facilitates high density mounting this goods-applied equipment to be made smaller

Specifications

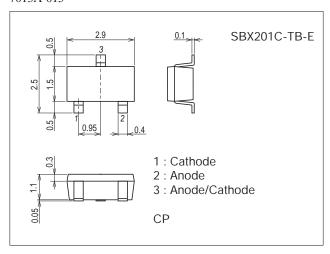
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		2	V
Forward Current	lF		50	mA
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°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-015



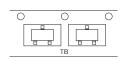
Product & Package Information

• Package : CP

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

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

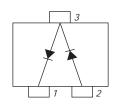
Packing Type: TB



Marking



Electrical Connection



SBX201C

Electrical Characteristics at Ta=25°C

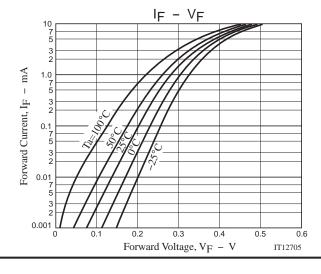
Parameter	Symbol	Conditions	Ratings			Unit
Parameter			min	typ	max	Ullit
Reverse Voltage	VR	I _R =10μA	2			V
Forward Voltage	VF	I _F =1mA			320	mV
Series Resistance	RS	I _F =10mA		14	18	Ω
Interterminal Capacitance	С	V _R =0V, f=1MHz		0.25	0.28	pF

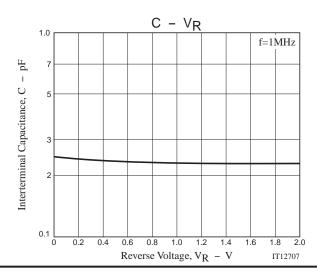
Note 1) The specifications shown above for each individual diode.

Note 2) Pay attention to handling since it is liable to be affected by static electricity due to the high-frequency process adopted.

Ordering Information

Device	Device Package		memo	
SBX201C-TB-E	СР	3,000pcs./reel	Pb Free	



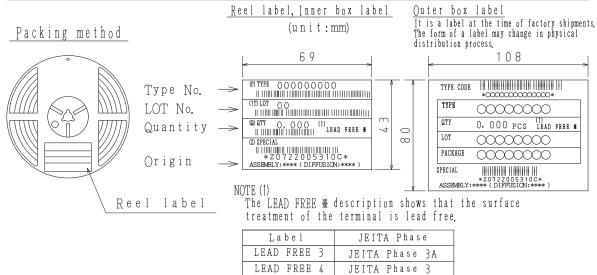


Embossed Taping Specification

SBX201C-TB-E

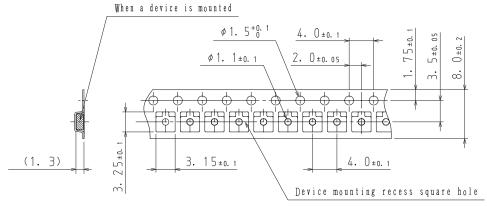
1. Packing Format

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	

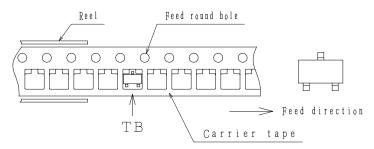


7. Taping configuration

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



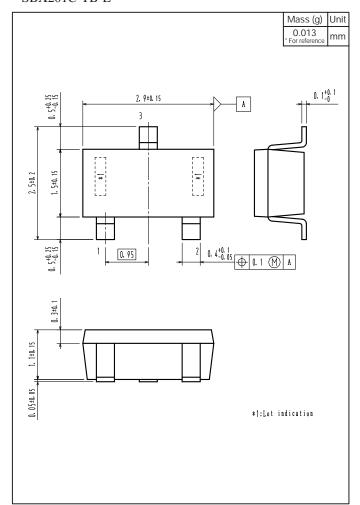
2-2. Device placement direction



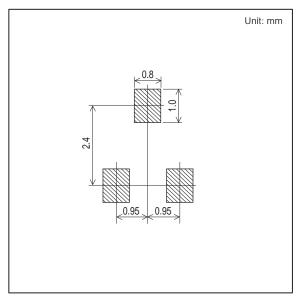
Those with one electrode terminal on the feed hole side·····TB

Outline Drawing

SBX201C-TB-E



Land Pattern Example



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