SBX201C

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

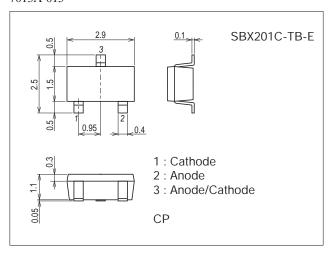
Absolute Maximum Ratings at Ta=25°C

1	1		
Symbol	Conditions	Ratings	Unit
VR		2	V
lF		50	mA
Tj		150	°C
Tstg		-55 to +150	°C
	V _R IF Tj	V _R IF Tj	VR 2 IF 50 Tj 150

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



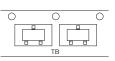
Product & Package Information : CP

- Package
- JEITA, JEDEC
- Minimum Packing Quantity : 3,000 pcs./reel

Packing Type: TB

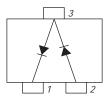
Marking

: SC-59, TO-236, SOT-23, TO-236AB





Electrical Connection



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Electrical Characteristics at Ta=25°C

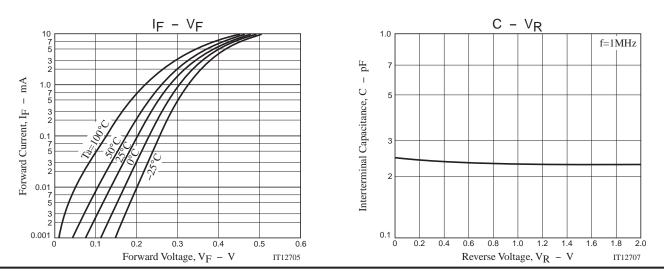
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	2			V
Forward Voltage	VF	IF=1mA			320	mV
Series Resistance	RS	I _F =10mA		14	18	Ω
Interterminal Capacitance	С	V _R =0V, f=1MHz		0.25	0.28	pF

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.

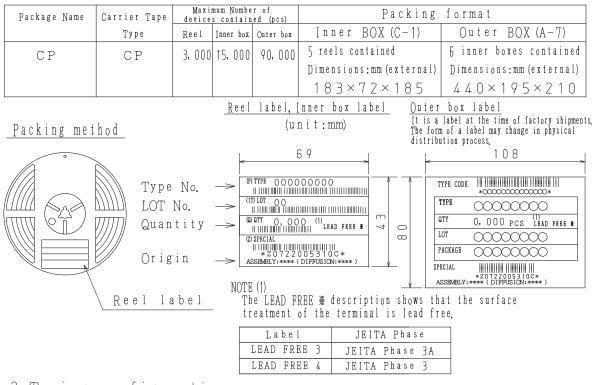
Ordering Information

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

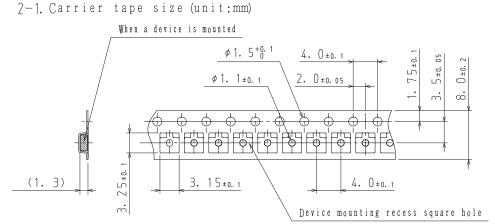


Embossed Taping Specification SBX201C-TB-E

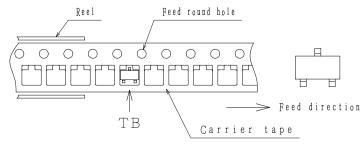
1. Packing Format



2. Taping configuration

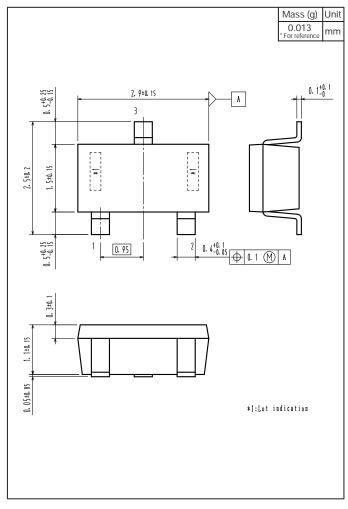


2-2. Device placement direction

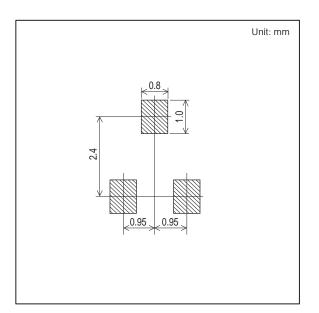


Those with one electrode terminal on the feed hole side TB

Outline Drawing SBX201C-TB-E



Land Pattern Example



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