



SANYO Semiconductors

DATA SHEET

An ON Semiconductor Company

1SS351 — Silicon Epitaxial Schottky Barrier Diode

UHF Detector, Mixer Applications

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 ($C=0.69\text{pF}$ typ)
- Small forward voltage ($V_F=0.23\text{V}$ max)

Specifications

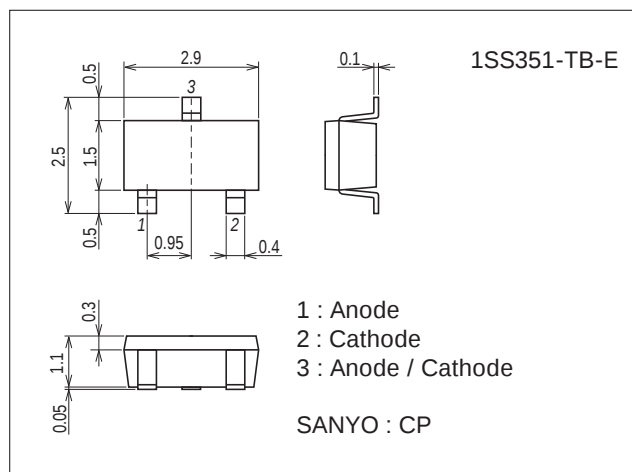
Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		5	V
Forward Current	I_F		30	mA
Junction Temperature	T_j		125	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +125	$^\circ\text{C}$

Package Dimensions

unit : mm (typ)

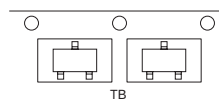
7013A-003



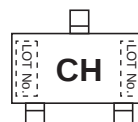
Product & Package Information

- Package : CP
- JEITA, JEDEC : SC-59, TO-236, SOT-23, TO-236AB
- Minimum Packing Quantity : 3,000 pcs./reel

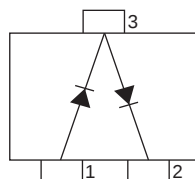
Packing Type: TB



Marking



Electrical Connection



1SS351

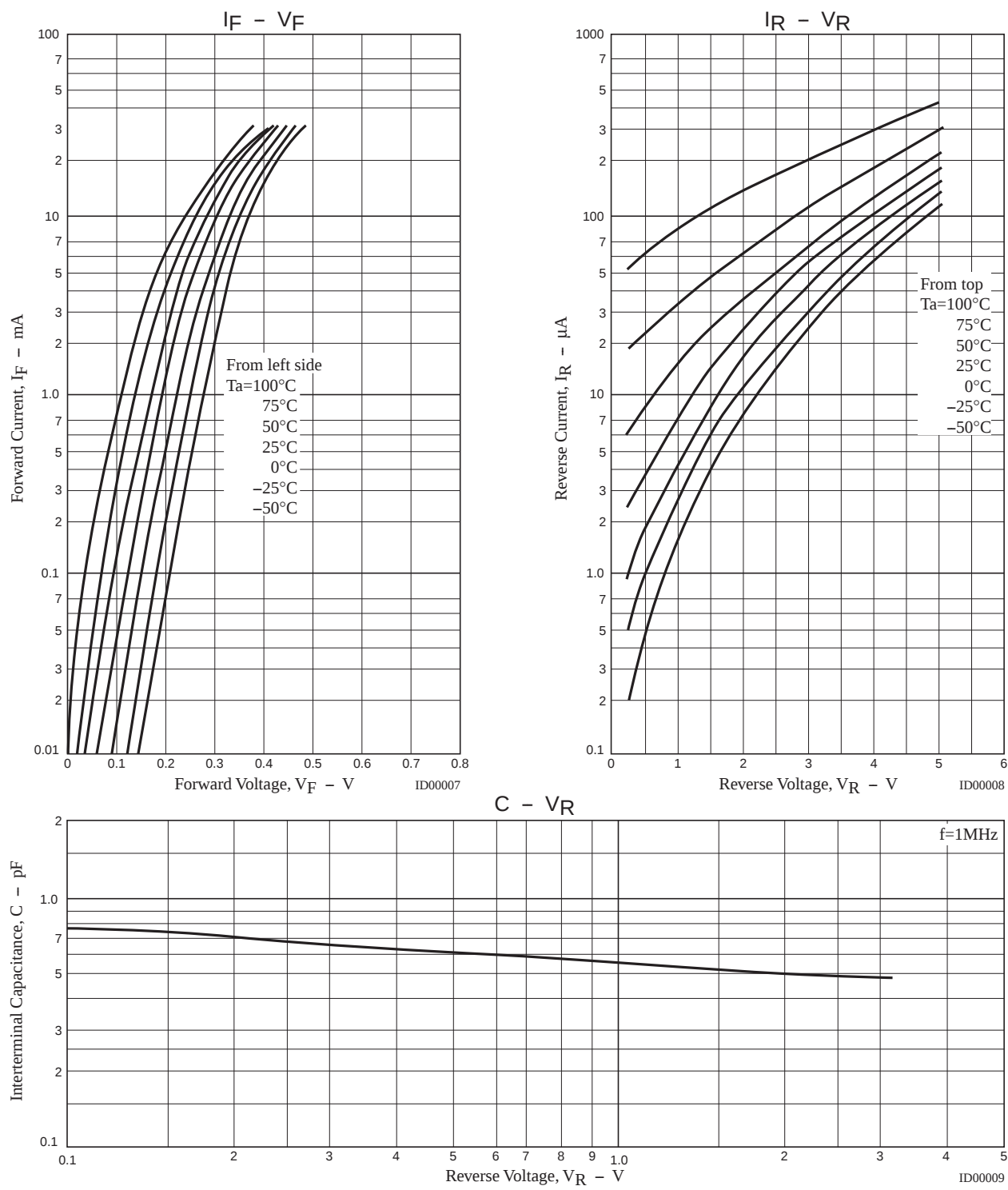
Electrical Characteristics at $T_a=25^{\circ}\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=1\text{mA}$			0.23	V
Forward Current	I_F	$V_F=0.5\text{V}$	30			mA
Reverse Current	I_R	$V_R=0.5\text{V}$			25	μA
Interterminal Capacitance	C	$V_R=0.2\text{V}$, $f=1\text{MHz}$		0.69	0.9	pF

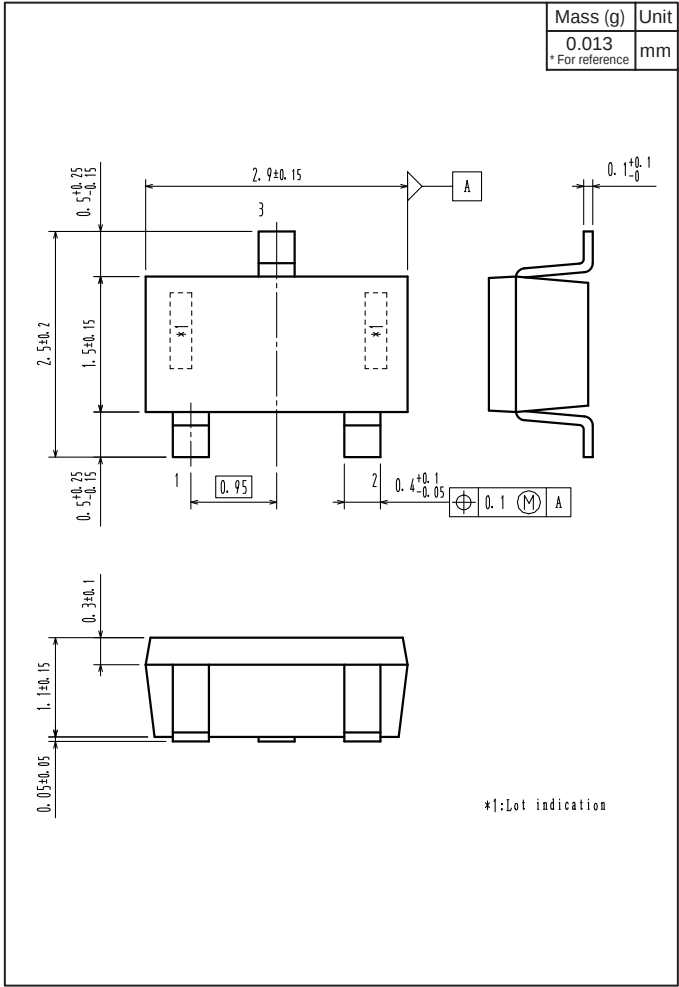
Note)*:The specifications shown above are for each individual diode.

Ordering Information

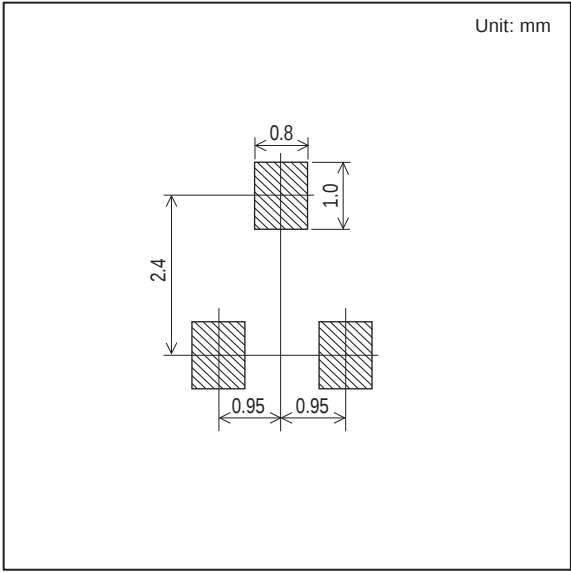
Device	Package	Shipping	memo
1SS351-TB-E	CP	3,000pcs./reel	Pb Free



Outline Drawing
1SS351-TB-E



Land Pattern Example



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