

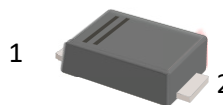
**1SS314**

Silicon Epitaxial Planar Switching Diode

Features

SOD-323

- Small plastic package suitable for surface mounted design
- VHF tuner band switch



1 Cathode  2 Anode

Marking : TY

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

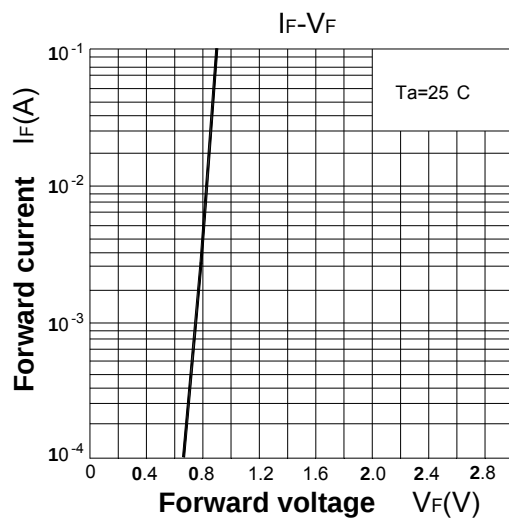
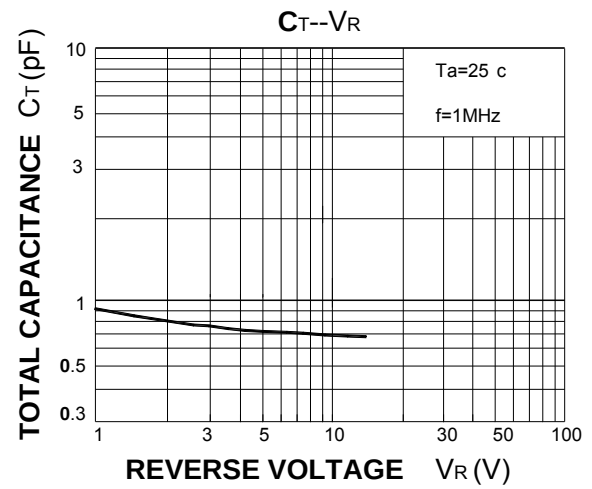
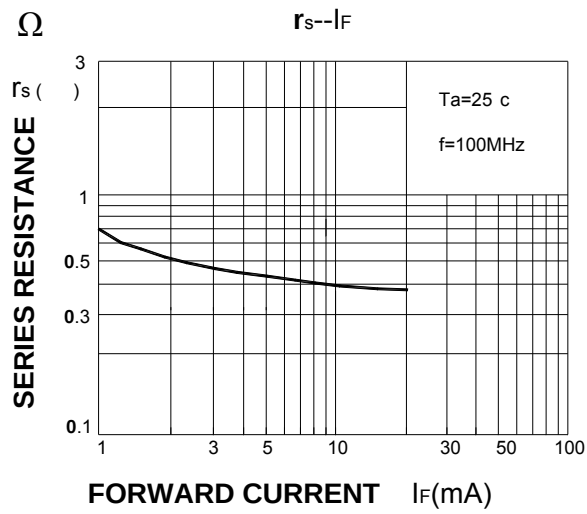
Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Forward Current	I_F	100	mA
Junction Temperature	T_J	125	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	- 55 to + 125	$^{\circ}\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 2\text{ mA}$	V_F	-	0.85	V
Reverse Current at $V_R = 15\text{ V}$	I_R	-	0.1	μA
Reverse Voltage at $I_R = 1\text{ }\mu\text{A}$	V_R	30	-	V
Total Capacitance at $V_R = 6\text{ V}$, $f = 1\text{ MHz}$	C_T	-	1.2	pF
Series Resistance at $I_F = 2\text{ mA}$, $f = 100\text{ MHz}$	r_s	-	0.9	Ω



Ratings And Characteristic Curves



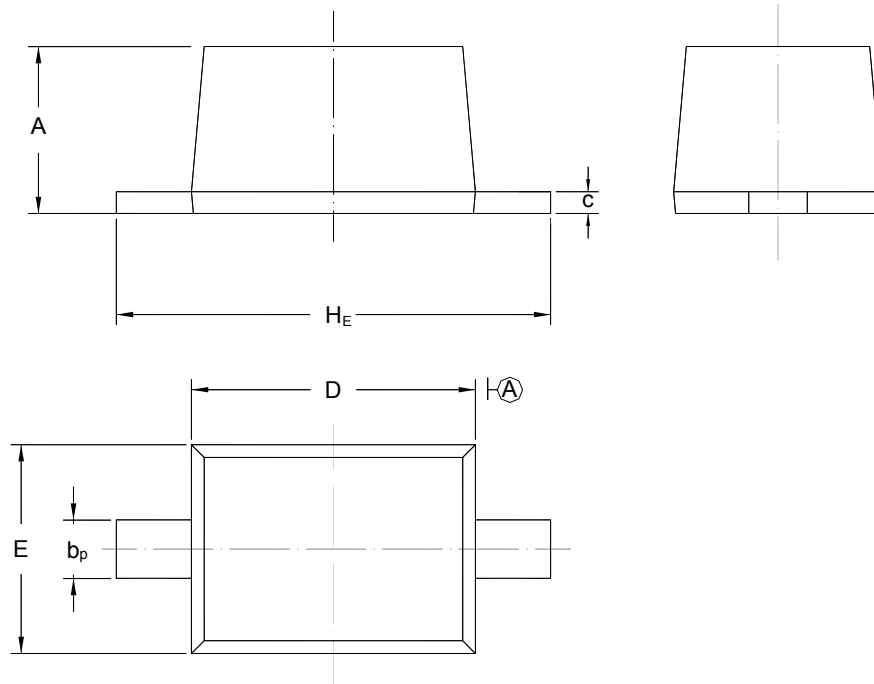


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Silicon Epitaxial Planar Switching Diode

Package Outline

SOD-323



UNIT	A	b _p	C	D	E	H _E
mm	1.10 0.80	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30

Ordering information

Device	Package	Shipping
1SS314	SOD-323	3000/Tape&Reel(7inches)