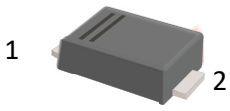
1SS314

Silicon Epitaxial Planar Switching Diode

Features

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

SOD-323





Marking : TY

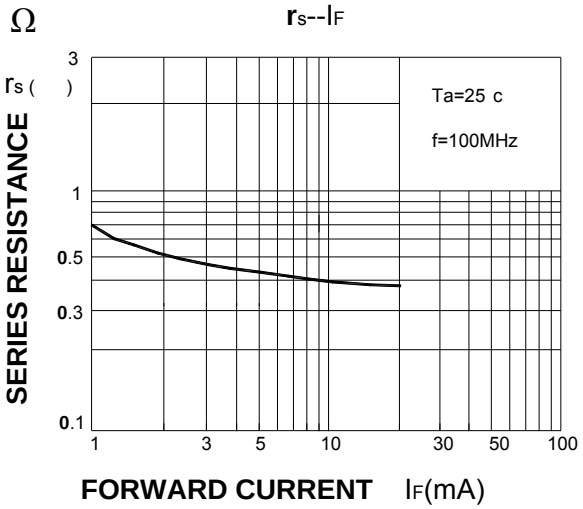
Absolute Maximum Ratings (Ta =25℃)

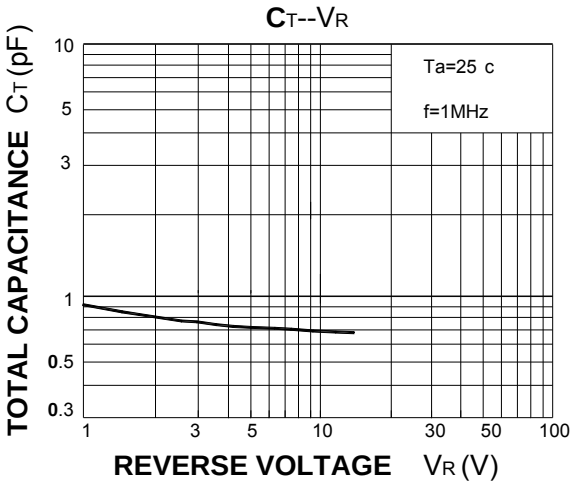
Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Forward Current	I_F	100	mA
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	- 55 to + 125	°C

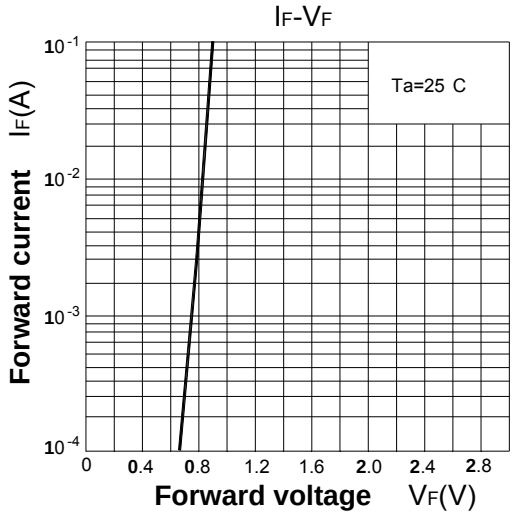
Electrical Characteristics （ Ta =25℃）

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

Ratings And Characteristic Curves

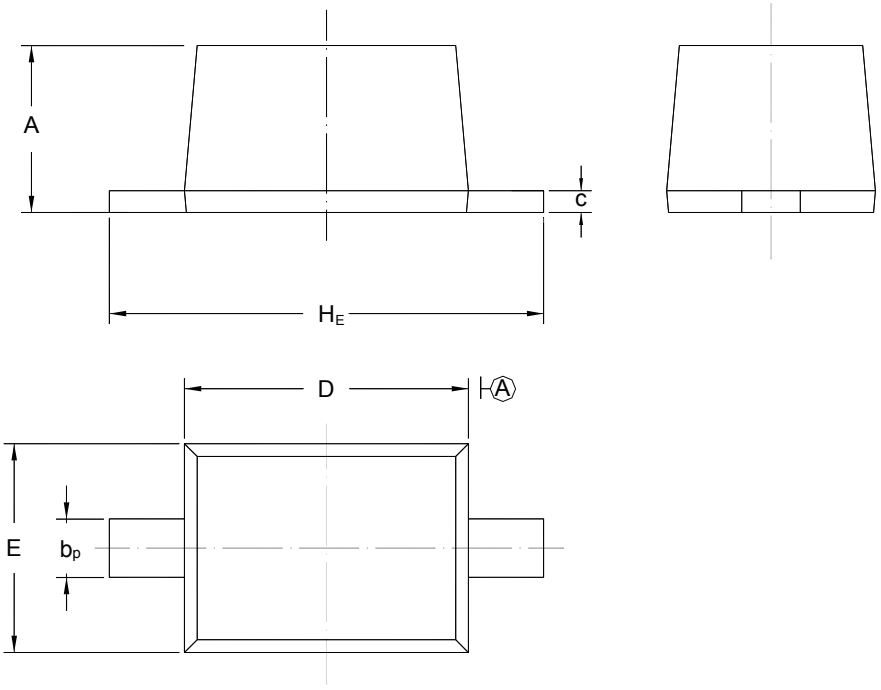






Package Outline

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)