

SILICON EPITAXIAL PLANAR DIODE

Applications

♦VHF Tuner Band Switch

Pinning

1.Cathode	2.Anode
 SOD-323	

Marking Code

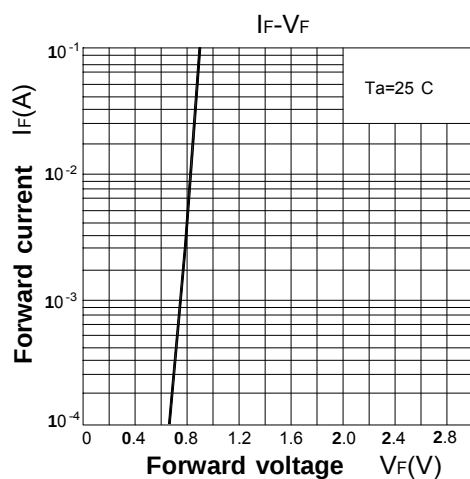
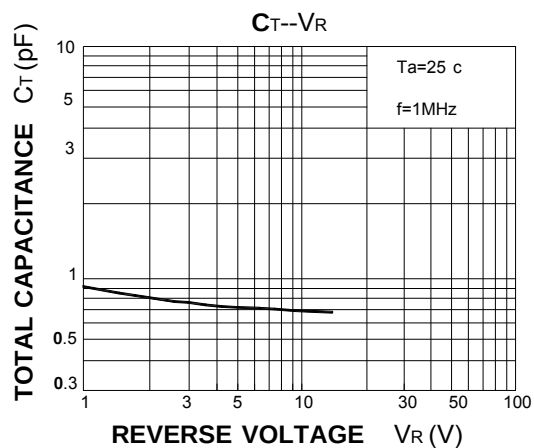
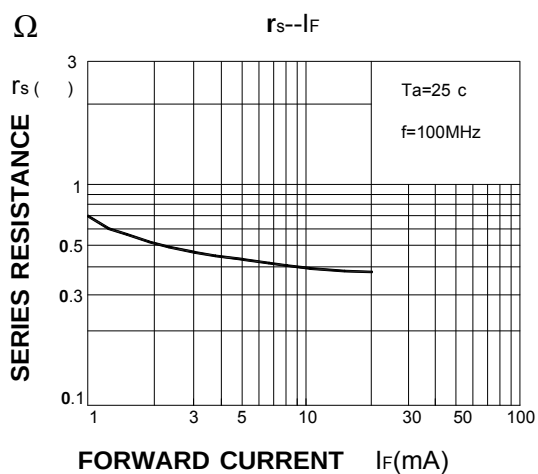
1SS314WS	TY
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Absolute Maximum Ratings (Ta = 25°C)

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

Characteristics at Ta = 25°C

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



Ordering information

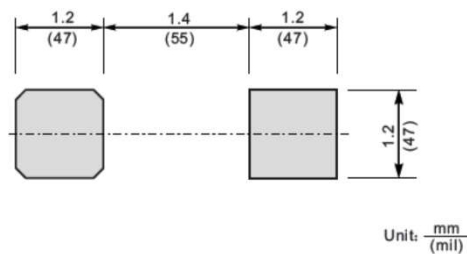
Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel, 7" reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-323

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
C	0.08	0.15	3.1	5.9
D	1.2	1.4	47	55
E	1.4	1.8	63	70
E1	2.55	2.75	100	108
b	0.25	0.4	9.8	16
L1	0.2	0.45	7.9	16
A1	-	0.2	-	8
∠	9°			

The recommended mounting pad size



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