

Features

.Small total capacitance:CT=1.3Pf(Max)

.Low series resistance:rf \leq 0.6

.Package: SOD-323

HXY

SOD-323

Application

.VHF/UHF Tuner Band Switch



Maximum Ratings

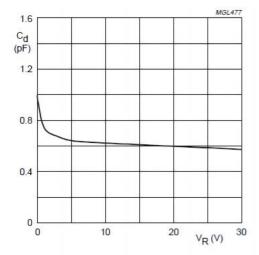
Parameter	Symbol	Min	Max	Unit
Assignment TemperatureRange	Tamb	-55	100	$^{\circ}$ C
Storage Temperature Range	Tatg	-55	125	$^{\circ}$ C
Maximum Reversevoltage	V _{RM}		30	V
Junction Temperature	Tj		125	$^{\circ}$ C
Forward Voltage(I _F =20mA)	VF		1	V

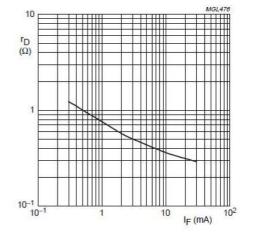
Electrcal Charcteristics (Ta=25 unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	VF	IF=2mA			0.85	V
Diode Capacitance	Ст	VR=6V		0.8	1.3	PF
Reverse Current	lR	VR=20V			10	nA
Forward Voltage	VF	I _F =20mA			1	V
Serisesre Sistance	RF	F=100MHz,IF=10mA		0.6		



Typical Characteristics





T_j = 25 °C; f = 1 MHz.

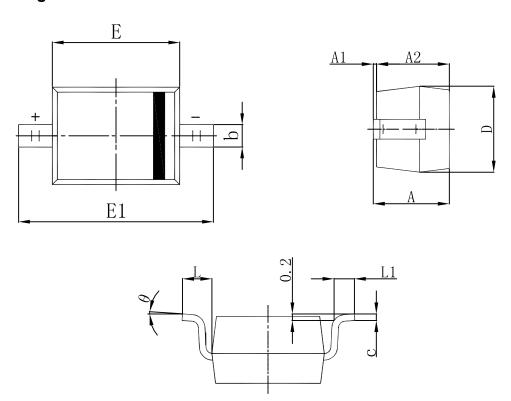
Diode capacitance as a function of reverse voltage; typical values.

T_j = 25 °C; f = 100 MHz.

Diode forward resistance as a function of forward current; typical values.



SOD-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min	Max	Min	Max	
А		1.100		0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.800	1.000	0.031	0.039	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.500	2.750	0.098	0.108	
L	0.475 REF		0.019 REF		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	



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