

Features

.Small total capacitance:CT=1.3Pf(Max) .Low series resistance:rf ≤0.4Ù .Package : SOD-523

Application

.VHF/UHF Tuner Band Switch





Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Assignment TemperatureRange	Tamb	-55	100	°C
Storage Temperature Range	Tatg	-55	125	°C
Maximum Reversevoltage	Vrm		30	V
Junction Temperature	Tj		125	°C
Forward Voltage(I⊧=20mA)	VF		1	V

Electrcal Charcteristics (Ta=25 unless otherwise specified)

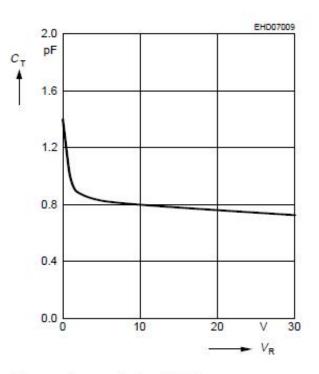
Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	VF	IF=100mA			1.0	V
Diode Capacitance	Ст	V _R =1V		0.8	1.3	PF
Reverse Current	IR	VR=20V			20	nA
Series Inductance	Ls	l⊧=20mA		0.6		nH
Serisesre Sistance	RF	F=100MHz,IF=10mA		0.4		Ù



Typical Characteristics

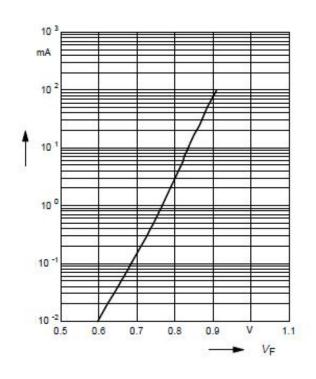
Diode capacitance $C_{T} = f(V_{R})$

f = 1 MHz



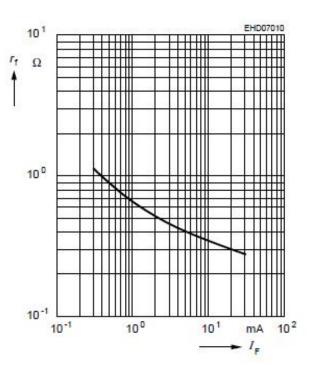
Forward current $I_F = f(V_F)$

 $T_A = 25^{\circ}C$



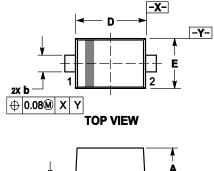
Forward resistance $r_{\rm f} = f(I_{\rm F})$

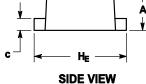
f = 100MHz

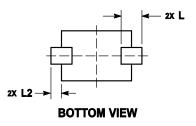




Outline And Dimensions







Notes:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.

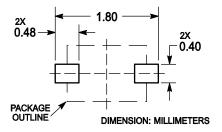
2. CONTROLLING DIMENSION: MILLIMETERS.

3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.

4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS.

	MILLIMETERS			INCHES			
DIM	MIN	NOM	MAX	MIN	NOM	MAX	
Α	0.50	0.60	0.70	0.020	0.024	0.028	
b	0.25	0.30	0.35	0.010	0.012	0.014	
С	0.07	0.14	0.20	0.003	0.006	0.008	
D	1.10	1.20	1.30	0.043	0.047	0.051	
Е	0.70	0.80	0.90	0.028	0.031	0.035	
H _E	1.50	1.60	1.70	0.059	0.063	0.067	
L	0.30 REF			0.012 REF			
L ₂	0.15	0.20	0.25	0.006	0.008	0.010	

Soledering Footprint





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