

TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

# 1SS312

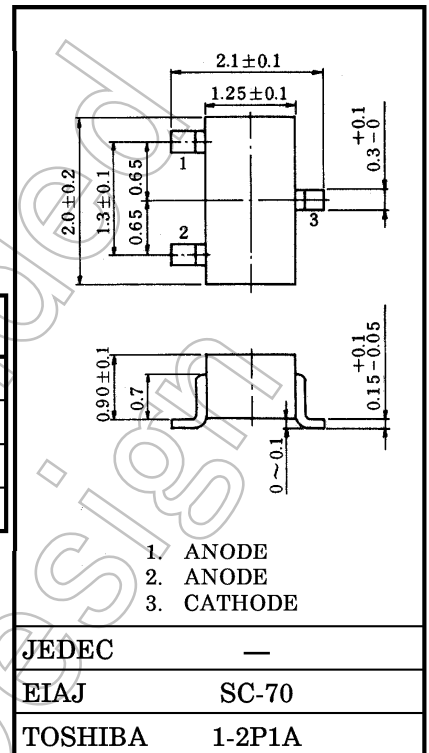
VHF TUNER BAND SWITCH APPLICATIONS.

Unit in mm

- Small Package.
- Small Total Capacitance :  $C_T = 1.2\text{pF}$  (Max.)
- Low Series Resistance :  $r_s = 0.6\Omega$  (Typ.)

MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	30	V
Forward Current	$I_F$	50	mA
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ\text{C}$

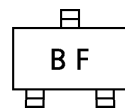


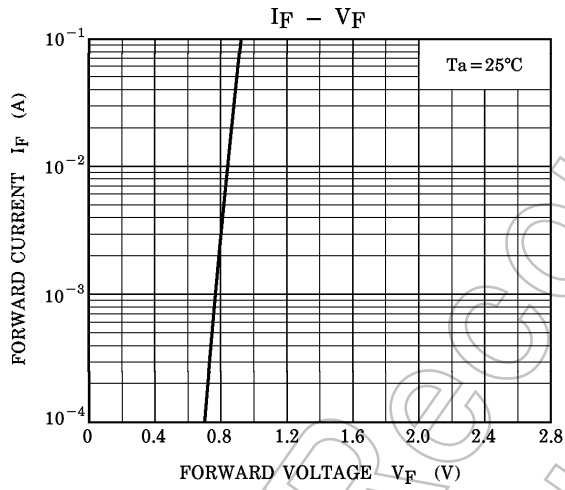
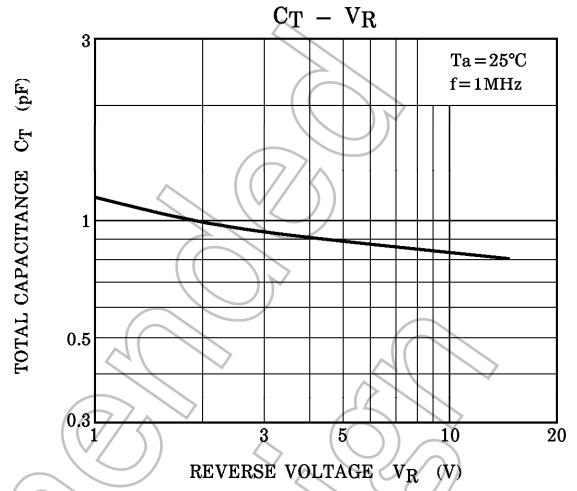
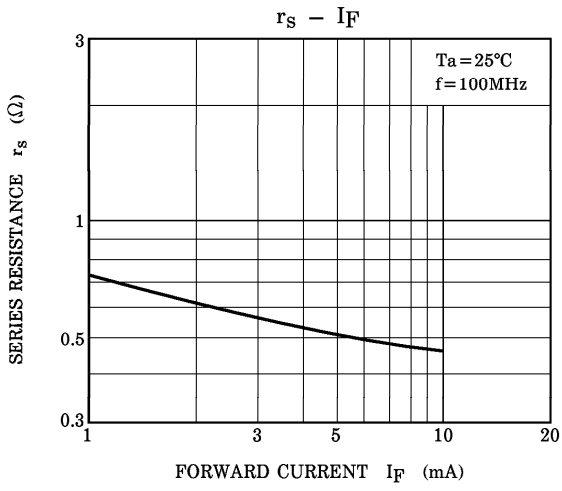
Weight : 0.006g

ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F$	$I_F = 2\text{mA}$	—	—	0.85	V
Reverse Current	$I_R$	$V_R = 15\text{V}$	—	—	0.1	$\mu\text{A}$
Reverse Voltage	$V_R$	$I_R = 1\mu\text{A}$	30	—	—	V
Total Capacitance	$C_T$	$V_R = 6\text{V}, f = 1\text{MHz}$	—	0.8	1.2	pF
Series Resistance	$r_s$	$I_F = 2\text{mA}, f = 100\text{MHz}$	—	0.6	0.9	$\Omega$

Marking





Not Recommended for New Design

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