

TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

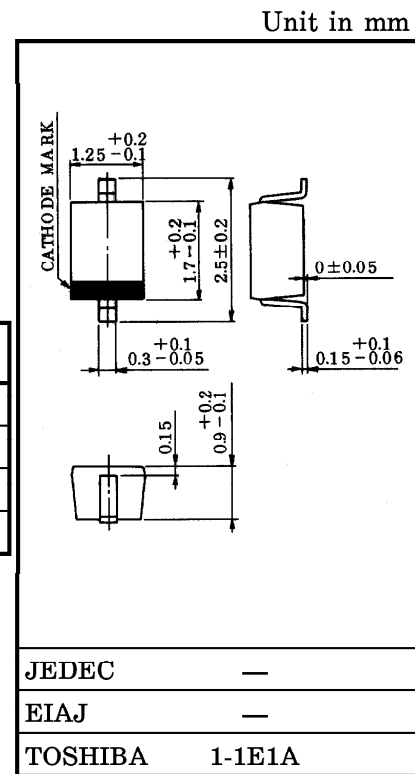
# 1SS314

VHF TUNER BAND SWITCH APPLICATIONS.

- Small Package.
- Small Total Capacitance :  $C_T = 1.2\text{pF}$  (Max.)
- Low Series Resistance :  $r_s = 0.5\Omega$  (Typ.)

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	30	V
Forward Current	$I_F$	100	mA
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ\text{C}$



Weight : 0.004g

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	$C_T$	$V_R = 6\text{V}, f = 1\text{MHz}$	—	0.7	1.2	pF
Series Resistance	$r_s$	$I_F = 2\text{mA}, f = 100\text{MHz}$	—	0.5	0.9	$\Omega$

Marking



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