

TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

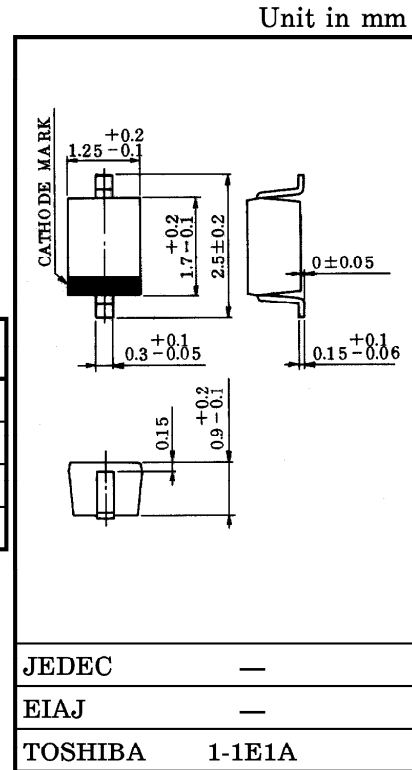
1SS314

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}	$-55 \sim 125$	$^\circ\text{C}$



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	μA
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	Ω

Marking



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