TOSHIBA **1SS381**

TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

155381

VHF TUNER BAND SWITCH APPLICATIONS

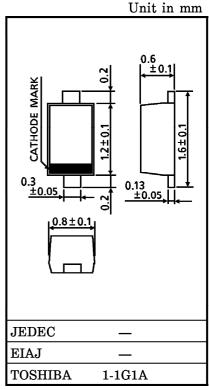
Small Package

 $: C_T = 1.2 pF (Max.)$ Small Total Capacitance

Low Series Resistance : $r_{\rm S} = 0.6 \,\Omega$ (Typ.)

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$v_{ m R}$	30	V
Forward Current	${ m I_F}$	100	mA
Junction Temperature	T_{j}	125	$^{\circ}\mathrm{C}$
Storage Temperature Range	$\mathrm{T_{stg}}$	-55~125	$^{\circ}\mathrm{C}$



Weight: 0.0014 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$ m V_{f F}$	$ m I_F=2~mA$	_	_	0.85	V
Reverse Current	$I_{\mathbf{R}}$	$V_R = 15 V$	_	_	0.1	μ A
Reverse Voltage	$v_{ m R}$	$I_R = 1 \mu A$	30	_	_	V
Total Capacitance	C_{T}	$V_R = 6 V, f = 1 MHz$	_	0.7	1.2	pF
Series Resistance	$ m r_{s}$	$I_{\mathrm{F}}=2\mathrm{mA,\;f}=100\mathrm{MHz}$	_	0.6	0.9	Ω

MARKING



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