TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

155364

VHF TUNER BAND SWITCH APPLICATIONS

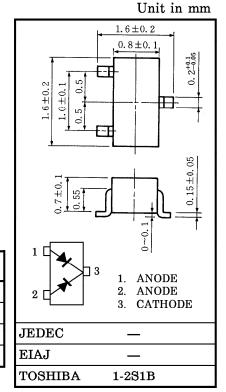
Small Package.

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

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

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Reverse Voltage	$V_{\mathbf{R}}$	30	V	
Forward Current	$I_{\mathbf{F}}$	50	mA	
Junction Temperature	T_j	125	°C	
Storage Temperature Range	$\mathrm{T_{stg}}$	-55~125	°C	



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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

Marking



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