TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

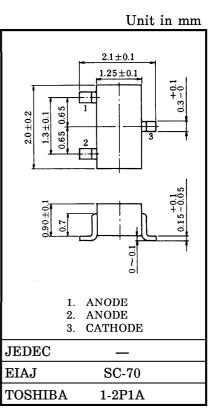
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VHF TUNER BAND SWITCH APPLICATIONS.

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

MAXIMUM RATINGS (Ta = 25° C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Reverse Voltage	VR	30	v	
Forward Current	$I_{\mathbf{F}}$	50	mA	
Junction Temperature	Тј	125	°C	
Storage Temperature Range	$\mathrm{T}_{\mathrm{stg}}$	$-55 \sim 125$	°C	



Weight : 0.006g

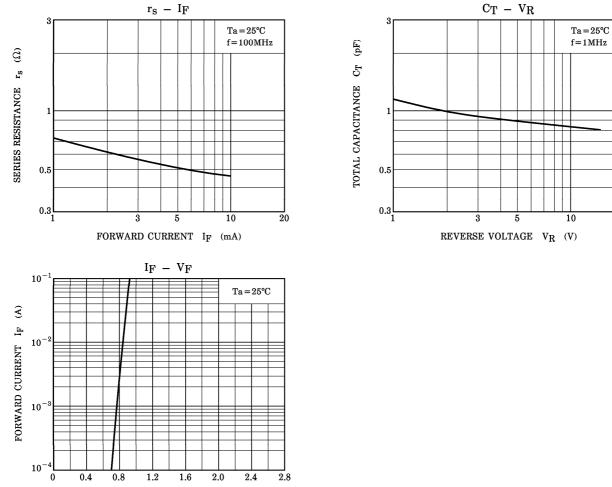
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_{\mathbf{F}}$	$I_F = 2mA$	_	_	0.85	V
Reverse Current	I_{R}	$V_R = 15V$			0.1	μA
Reverse Voltage	$v_{\mathbf{R}}$	$I_{R}=1\mu A$	30	_	_	V
Total Capacitance	C_{T}	$V_R = 6V$, f=1MHz		0.8	1.2	pF
Series Resistance	r _s	$I_F = 2mA$, f=100MHz	_	0.6	0.9	Ω

Marking



20



FORWARD VOLTAGE V_F (V)

1SS312

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