#### TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

# 155269

### VHF TUNER BAND SWITCH APPLICATIONS

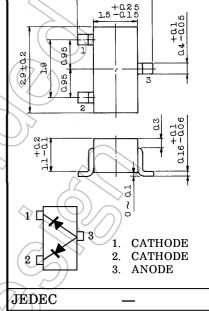
#### FEATURES:

Small Package.

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

Low Series Resistance :  $r_S = 0.6\Omega$  (Typ.)

## Unit in mm



JEDEC	_
EIAJ	SC-59
TOSHIRA	1_9G1E

Weight: 0.013g

### MAXIMUM RATINGS (Ta = 25°C)

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

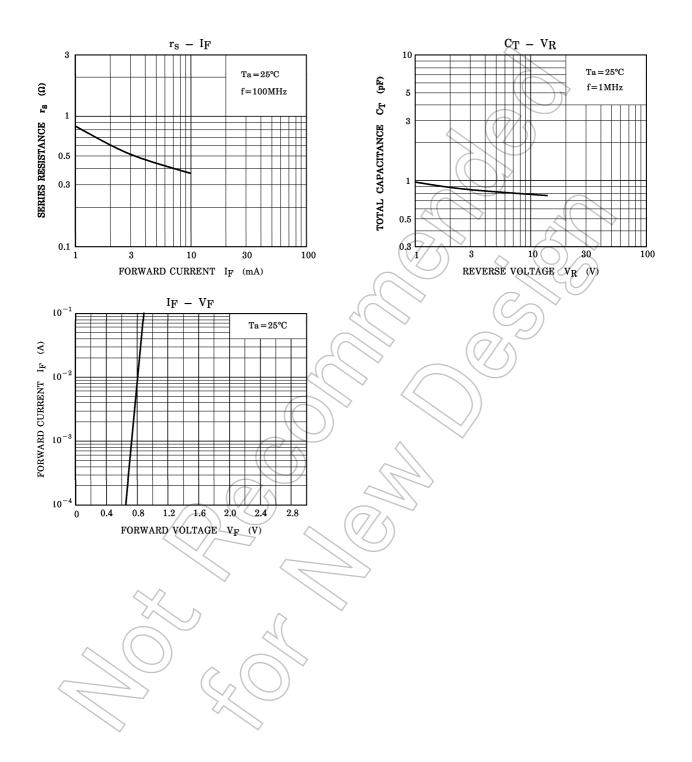
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_{\rm R}$	I <sub>F</sub> =2mA	_	_	0.85	V
Reverse Current	$(I_{\mathbf{R}})$	$V_R = 15V$	_	_	0.1	$\mu$ <b>A</b>
Reverse Voltage	$V_{\mathbf{R}}$	$I_{R}=1\mu A$	30	_	_	V
Total Capacitance	$c_{\mathrm{T}}$	$V_R=6V$ , $f=1MHz$	_	0.8	1.2	рF
Series Resistance	r <sub>s</sub>	$I_F=2mA$ , $f=100MHz$	_	0.6	0.9	Ω

Marking



2001-05-31



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