## TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

# 155268

## VHF TUNER BAND SWITCH APPLICATIONS

#### FEATURES:

Small Package.

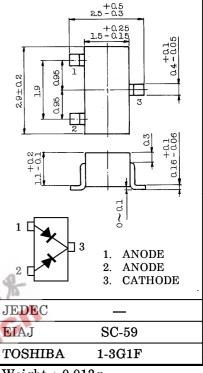
• Small Total Capacitance :  $C_T=1.2pF$  (Max.)

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

# MAXIMUM RATINGS (Ta = 25°C)

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

Unit in mm



Weight: 0.013g

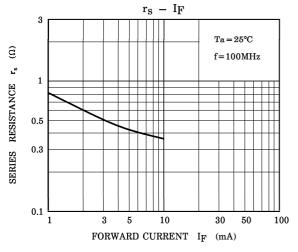
## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

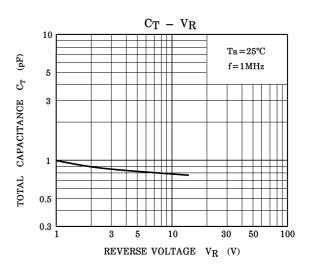
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$v_{ m F}$	$\mathbf{I}_{\mathrm{F}} \!=\! 2$ mA		_	0.85	V
Reverse Current	$I_{\mathrm{R}}$	$V_R = 15V$	_		0.1	$\mu$ <b>A</b>
Reverse Voltage	$V_{\mathbf{R}}$	$I_R = 1\mu A$	30	_	_	V
Total Capacitance	$\mathrm{C}_{\mathrm{T}}$	$V_R=6V$ , $f=1MHz$	_	0.8	1.2	pF
Series Resistance	$r_{ m S}$	$I_F = 2mA$ , $f = 100MHz$	_	0.6	0.9	Ω

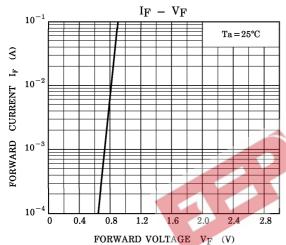
Marking



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