

TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

1SS268

VHF TUNER BAND SWITCH APPLICATIONS

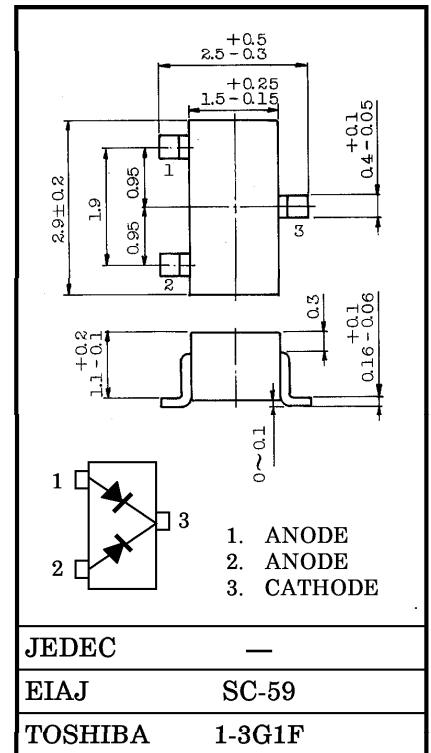
Unit in mm

FEATURES :

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

MAXIMUM RATINGS (Ta = 25°C)

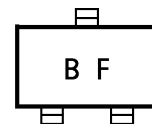
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Forward Current	I_F	50	mA
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55~125	°C

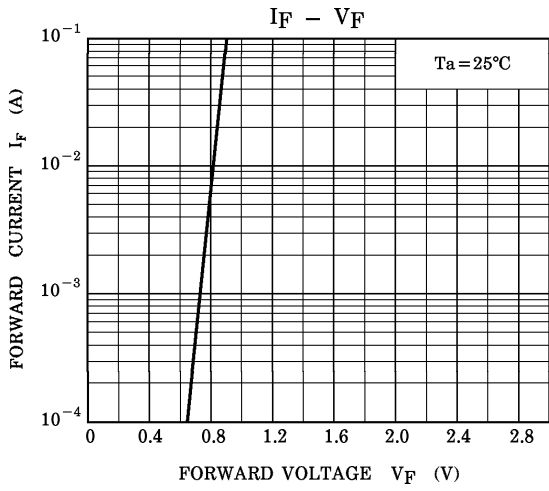
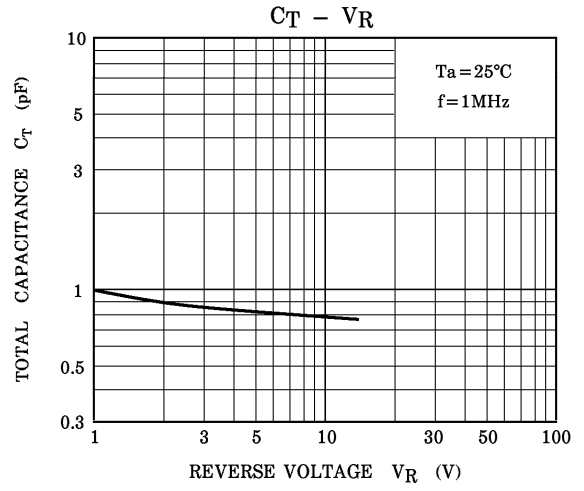
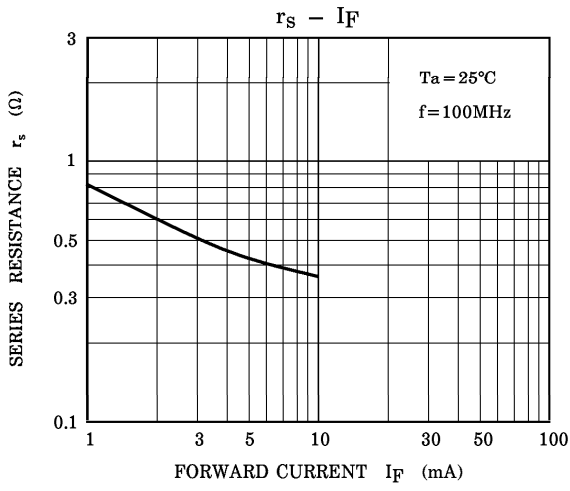


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F=2\text{mA}$	—	—	0.85	V
Reverse Current	I_R	$V_R=15\text{V}$	—	—	0.1	μA
Reverse Voltage	V_R	$I_R=1\mu\text{A}$	30	—	—	V
Total Capacitance	C_T	$V_R=6\text{V}, f=1\text{MHz}$	—	0.8	1.2	pF
Series Resistance	r_S	$I_F=2\text{mA}, f=100\text{MHz}$	—	0.6	0.9	Ω

Marking





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