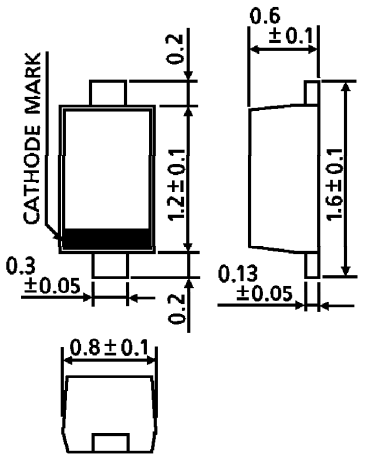
TOSHIBA DIODE SILICON EPITAXIAL PLANAR TYPE

1SS381

VHF TUNER BAND SWITCH APPLICATIONS

Unit in mm

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



JEDEC	—
EIAJ	—
TOSHIBA	1-1G1A

Weight : 0.0014 g

MAXIMUM RATINGS (Ta = 25°C)

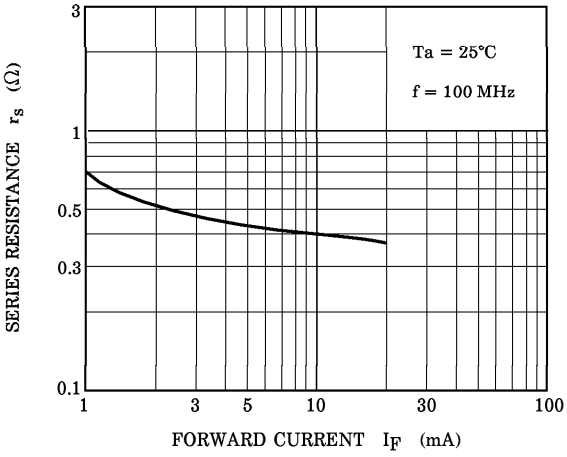
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	30	V
Forward Current	I_F	100	mA
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	−55~125	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

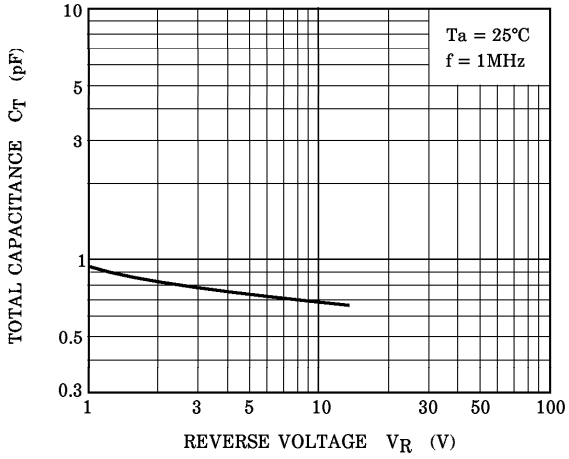
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	I_F = 2 mA	—	—	0.85	V
Reverse Current	I_R	V_R = 15 V	—	—	0.1	μA
Reverse Voltage	V_R	I_R = 1 μA	30	—	—	V
Total Capacitance	C_T	V_R = 6 V, f = 1 MHz	—	0.7	1.2	pF
Series Resistance	r_s	I_F = 2 mA, f = 100 MHz	—	0.6	0.9	Ω

MARKING

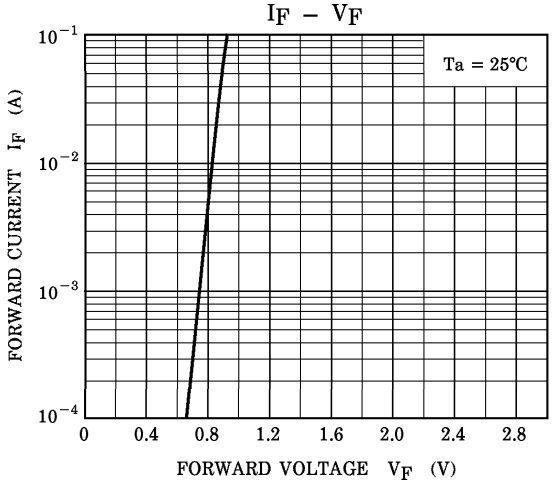
$r_S - I_F$



$C_T - V_R$



$I_F - V_F$



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