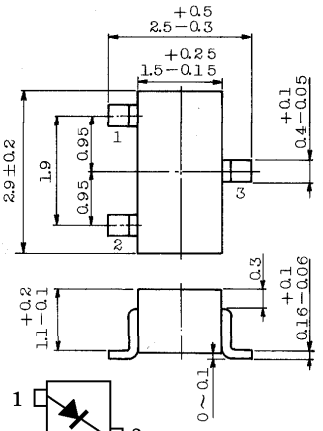
TOSHIBA DIODE SILICON EPITAXIAL PIN TYPE

1SV128

VHF~UHF BAND RF ATTENUATOR APPLICATIONS.

Unit in mm

- Small Package
- Small Total Capcitance : C_T = 0.25pF (Typ.)



JEDEC	—
EIAJ	SC-59
TOSHIBA	1-3G1B

Weight : 0.012g

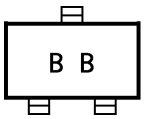
MAXIMUM RATINGS (Ta = 25°C)

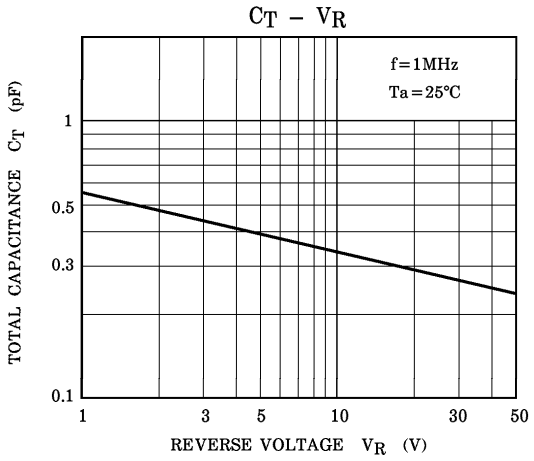
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	V_R	50	V
Forward Current	I_F	50	mA
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	−55~125	°C

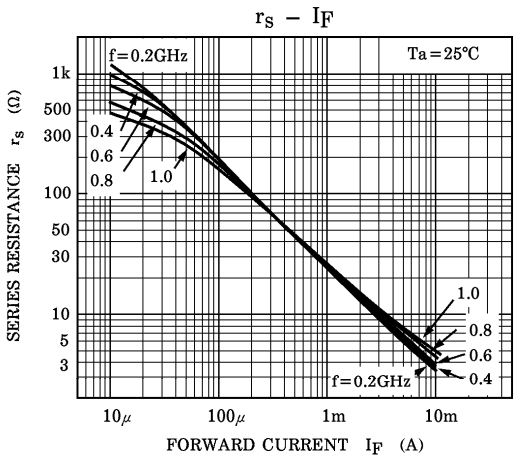
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	I_R = 10μA	50	—	—	V
Reverse Current	I_R	V_R = 50V	—	—	0.1	μA
Forward Voltage	V_F	I_F = 50mA	—	0.95	—	V
Total Capacitance	C_T	V_R = 50V, f = 1MHz	—	0.25	—	pF
Series Resistance	r_s	I_F = 10mA, f = 100MHz	—	3	—	Ω
Minority Carrier Life Time	τ	I_F = 10mA. I_R = 6mA	—	400	—	ns

Marking







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