TOSHIBA DIODE SILICON EPITAXIAL PIN TYPE

1 S V 1 2 8

VHF~UHF BAND RF ATTENUATOR APPLICATIONS.

Unit in mm

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

MAXIMUM RATINGS (Ta = 25°C)

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

1. ANODE
2. N.C.
3. CATHODE

JEDEC

EIAJ

SC-59

TOSHIBA

1-3G1B

Weight: 0.012g

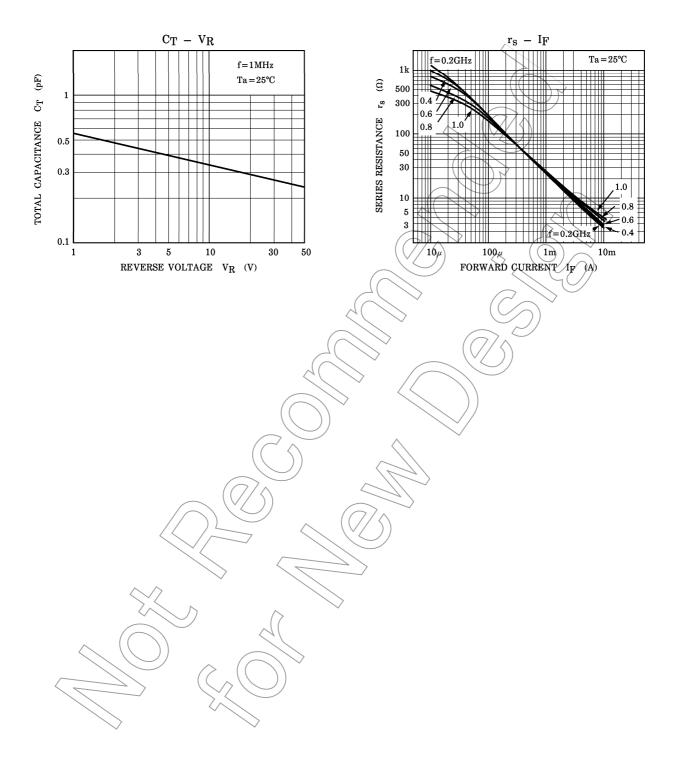
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_{\mathbf{R}}$	$I_{R}=10\mu A$	50	_	_	V
Reverse Current	$(I_{\mathbf{R}})$	$V_R = 50V$	_	_	0.1	μ A
Forward Voltage	$V_{\overline{\mathbf{F}}}$	IF=50mA/		0.95	_	V
Total Capacitance	$\overline{c_{\mathrm{T}}}$	$V_R = 50V$, $f = 1MHz$	_	0.25	_	рF
Series Resistance	r _s	$I_{\rm F}=10{\rm mA}$, $f=100{\rm MHz}$	_	3	_	Ω
Minority Carrier Life Time	τ	$I_F=10\text{mA}$. $I_R=6\text{mA}$	_	400	_	ns

Marking



1 2001-05-31



2 2001-05-31



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3 2001-05-31