Unit in mm

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1 S S 1 5 4

UHF~S BAND MIXER/DETECTOR APPLICATIONS

Small Package.

MAXIMUM RATINGS (Ta = 25°C)

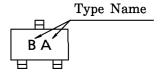
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Reverse Voltage	$V_{\mathbf{R}}$	6	V	
Forward Current	$I_{\mathbf{F}}$	30	mA	
Junction Temperature	$\mathrm{T_{j}}$	125	°C	
Storage Temperature Range	$\mathrm{T_{stg}}$	-30~125	°C	

Weight: 0.012g

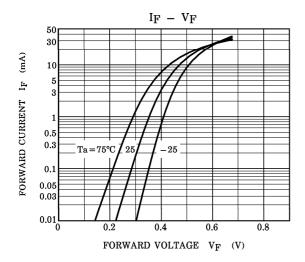
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

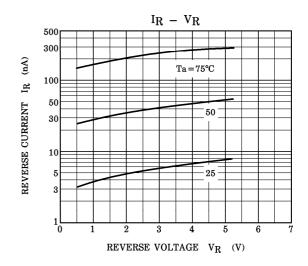
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$v_{ m R}$	$I_R = 10 \mu A$	6	_	_	V
Reverse Current	$I_{\mathbf{R}}$	$V_R = 5V$	_	_	0.5	μ A
Forward Voltage	$V_{F(1)}$	$I_{\mathbf{F}} = 0.1 \text{mA}$	_	_	0.35	V
Forward Voltage	$V_{F(2)}$	$I_{\mathbf{F}} = 10 \text{mA}$	_	0.5	_	V
Total Capacitance	${ m C_T}$	$V_R=0$, $f=1MHz$	_	0.8	_	pF

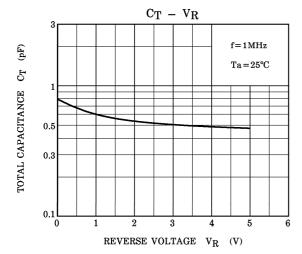
Marking



1 2001-05-31







2 2001-05-31

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000707EAA

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3 2001-05-31