TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

155385

HIGH SPEED SWITCHING.

Low Forward Voltage: $V_{F(2)}=0.23V$ (Typ.) @ $I_F=5mA$

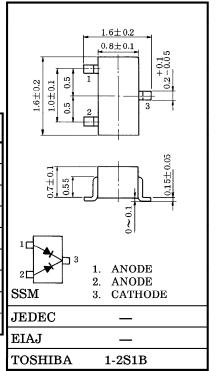
Small Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Maximum (Peak) Reverse Voltage	$v_{ m RM}$	15	V	
Reverse Voltage	$V_{\mathbf{R}}$	10	V	
Maximum (Peak) Forward Current	$I_{\mathbf{FM}}$	200 ※	mA	
Average Forward Current	IO	100 ※	mA	
Surge Current (10ms)	I _{FSM}	1%	Α	
Power Dissipation	P	100	mW	
Junction Temperature	T_{j}	125	°C	
Storage Temperature Range	$T_{ m stg}$	-55~125	°C	
Operating Temperature Range	$T_{ m opr}$	-40~100	°C	

* : Unit Rating. Total Rating=Unit Rating × 1.5

Unit in mm



Weight: 2.4mg

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$v_{F(1)}$	$I_{\mathbf{F}} = 1 \text{mA}$	_	0.18		V
	$V_{\mathrm{F}(2)}$	$I_{ m F}\!=\!5{ m mA}$	_	0.23	0.30	V
	$V_{F(3)}$	$I_{ m F} = 100 { m mA}$	_	0.35	0.50	V
Reverse Current	$I_{\mathbf{R}}$	$V_R=10V$	_		20	μ A
Total Capacitance	$\mathrm{C}_{\mathbf{T}}$	$V_R=0$, f=1MHz	_	20	40	рF

EQUIVALENT CIRCUIT (TOP VIEW)



Marking



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