Unit in mm

### TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

# 155294

#### LOW VOLTAGE HIGH SPEED SWITCHING.

Low Forward Voltage: VF(3)=0.54V (Typ.)

Low Reverse Current :  $I_R = 5\mu A$  (Max.)

Small Package : SC-59

#### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Maximum (Peak) Reverse Voltage	$v_{ m RM}$	45	V	
Reverse Voltage	$V_{R}$	40	V	
Maximum (Peak) Forward Current	$I_{FM}$	300	mA	
Average Forward Current	IO	100	mA	
Power Dissipation	P	150	mW	
Junction Temperature	$T_j$	125	°C	
Storage Temperature Range	$ m T_{stg}$	-55~125	°C	

ANODE

CATHODE 3. S-MINI **JEDEC** TO-236MOD **EIAJ** SC-59 1-3G1B TOSHIBA

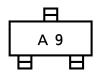
2. N.C.

Weight: 0.012g

## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V <sub>F (1)</sub>	$I_{\mathbf{F}} = 1 \text{mA}$		0.28	_	
	$V_{F(2)}$	$I_{ m F} = 10 { m mA}$	_	0.36		V
	$V_{F(3)}$	$I_{ m F}$ = 100mA	_	0.54	0.60	
Reverse Current	${ m I_R}$	$V_R=40V$	_	_	5	$\mu$ A
Total Capacitance	$\mathrm{C}_{\mathbf{T}}$	$V_R = 0$ , $f = 1MHz$	_	18	25	pF

#### **MARKING**



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