

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1SS349

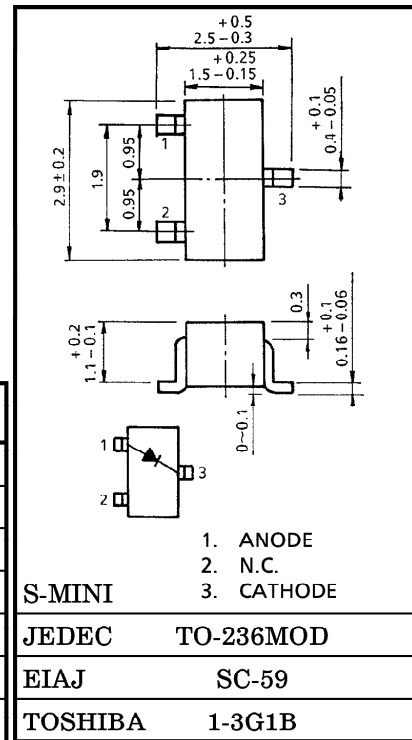
LOW VOLTAGE HIGH SPEED SWITCHING.

Unit in mm

- Low Forward Voltage : $V_F(3) = 0.49V$ (Typ.)
- Low Reverse Current : $I_R = 50\mu A$ (Max.)
- Small Package : SC-59

MAXIMUM RATINGS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	25	V
Reverse Voltage	V_R	20	V
Maximum (Peak) Forward Current	I_{FM}	3000	mA
Average Forward Current	I_O	1000	mA
Power Dissipation	P	200	mW
Junction Temperature	T_j	125	$^\circ C$
Storage Temperature Range	T_{stg}	-55~125	$^\circ C$
Operating Temperature Range	T_{opr}	-40~100	$^\circ C$



S-MINI

JEDEC TO-236MOD

EIAJ SC-59

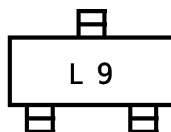
TOSHIBA 1-3G1B

Weight : 0.012g

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F = 100mA$	—	0.34	—	V
	$V_F(2)$	$I_F = 500mA$	—	0.42	—	
	$V_F(3)$	$I_F = 1000mA$	—	0.49	0.55	
Reverse Current	I_R	$V_R = 20V$	—	—	50	μA
Total Capacitance	C_T	$V_R = 0, f = 1MHz$	—	250	—	pF

MARKING



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