

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

# 1SS348

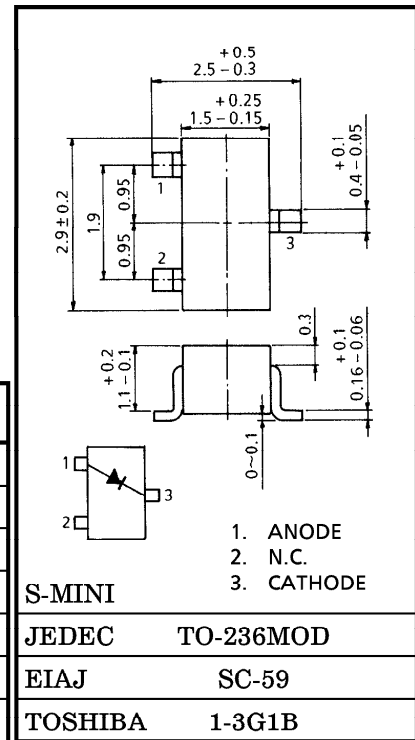
LOW VOLTAGE HIGH SPEED SWITCHING

Unit in mm

- Low Forward Voltage :  $V_F(3) = 0.56V$  (Typ.)
- Low Reverse Current :  $I_R = 5\mu A$  (Max.)
- Small Package : SC-59

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	$V_{RM}$	85	V
Reverse Voltage	$V_R$	80	V
Maximum (Peak) Forward Current	$I_{FM}$	300	mA
Average Forward Current	$I_O$	100	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	$^\circ C$



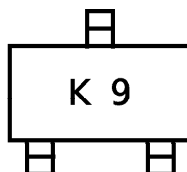
S-MINI	
JEDEC	TO-236MOD
EIAJ	SC-59
TOSHIBA	1-3G1B

Weight : 0.012g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F = 1mA$	—	0.26	—	V
	$V_F(2)$	$I_F = 10mA$	—	0.34	—	
	$V_F(3)$	$I_F = 100mA$	—	0.56	0.70	
Reverse Current	$I_R(1)$	$V_R = 80V$	—	—	5	$\mu A$
Total Capacitance	$C_T$	$V_R = 0, f = 1MHz$	—	45	100	pF

MARKING



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