

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

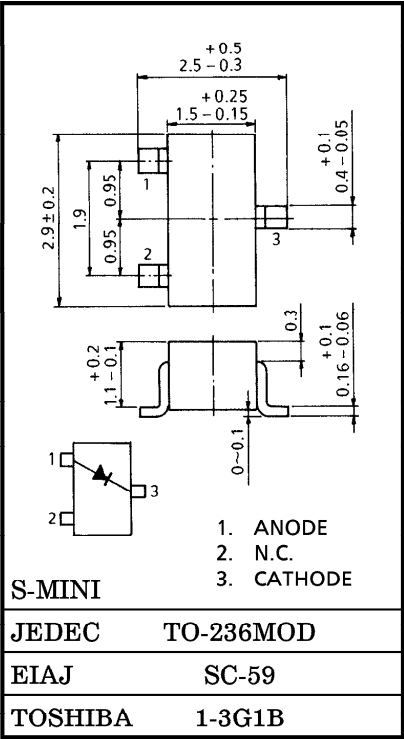
1SS348

LOW VOLTAGE HIGH SPEED SWITCHING

- Low Forward Voltage : $V_F(3)=0.56V$ (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_{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	°C
Storage Temperature Range	T_{stg}	-55~125	°C
Operating Temperature Range	T_{opr}	-40~100	°C

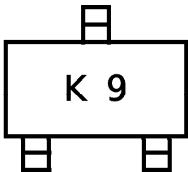


Weight : 0.012g

ELECTRICAL CHARACTERISTICS (Ta = 25°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	μA
Total Capacitance	C_T	$V_R=0, f=1MHz$	—	45	100	pF

MARKING



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