

TOSHIBA DIODE SILICON EPITAXIAL PLANAR

1SS379

GENERAL PURPOSE RECTIFIER APPLICATIONS.

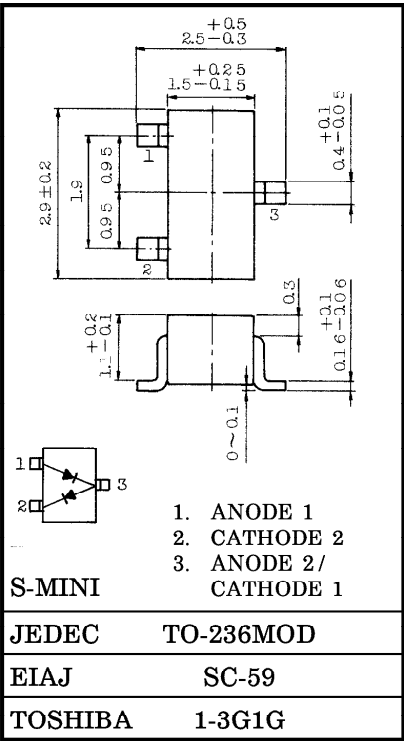
Unit in mm

- Low Forward Voltage :  $V_F=1.0V$  (Typ.)
- Low Reverse Current :  $I_R=0.1nA$  (Typ.)
- Small Total Capacitance :  $C_T=3.0pF$  (Typ.)
- 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
Surge Current (10ms)	$I_{FSM}$	2 ※	A
Power Dissipation	P	150	mW
Junction Temperature	$T_j$	125	$^{\circ}C$
Storage Temperature Range	$T_{stg}$	$-55\sim125$	$^{\circ}C$

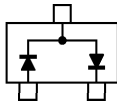
※ : Unit Rating. Total Rating=Unit Rating×0.7



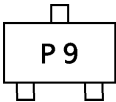
ELECTRICAL CHARACTERISTICS ( $T_a = 25^{\circ}C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F$	$I_F=100mA$	—	1.0	1.3	V
Reverse Current	$I_R$	$V_R=80V$	—	0.1	10	nA
Total Capacitance	$C_T$	$V_R=0, f=1MHz$	—	3.0	6.0	pF

EQUIVALENT CIRCUIT (TOP VIEW)



Marking



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