

TOSHIBA Diode Silicon Epitaxial Planar Type

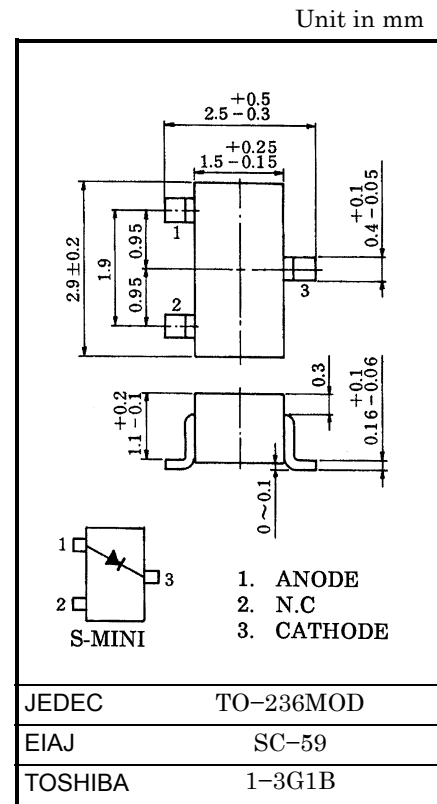
1SS307

General Purpose Rectifier Applications

- 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}	35	V
Reverse voltage	V_R	30	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	T_{stg}	-55-125	$^\circ C$

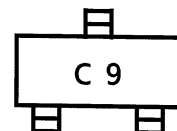


Weight: 0.012g

Electrical Characteristics ($T_a = 25^\circ C$)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Forward voltage	V_F	—	$I_F = 10mA$	—	1.0	1.3	V
Reverse current	I_R	—	$V_R = 30V$	—	0.1	10	μA
Total capacitance	C_T	—	$V_R = 0, f = 1MHz$	—	3.0	6.0	pF

Marking



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