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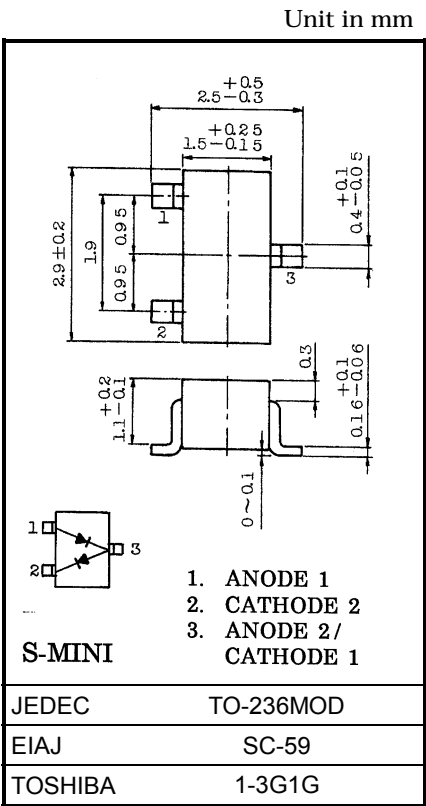
General Purpose Rectifier Applications

- 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 (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
Surge current (10ms)	$I_{FSM}$	2 *	A
Power dissipation	P	150	mW
Junction temperature	$T_j$	125	°C
Storage temperature range	$T_{stg}$	-55~125	°C

\*: Unit rating. Total rating = unit rating × 0.7

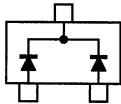


Weight: 0.012g

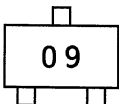
Electrical Characteristics (Ta = 25°C)

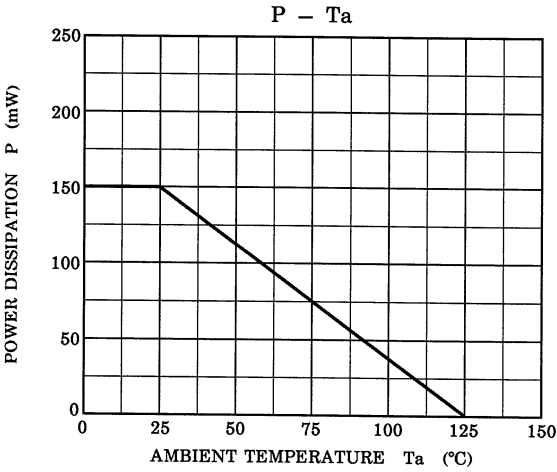
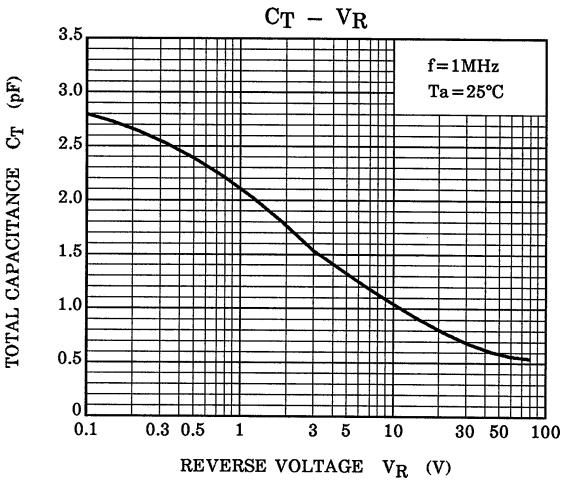
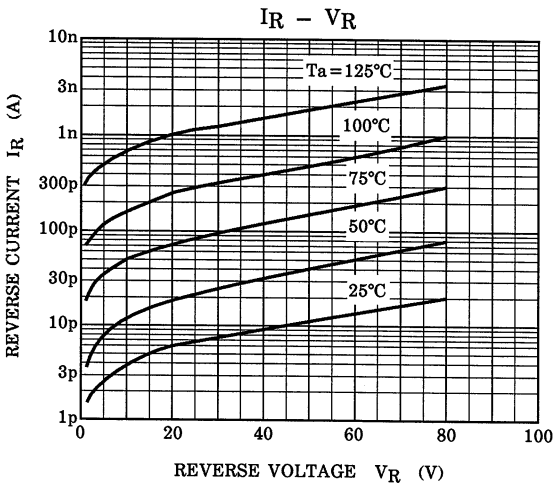
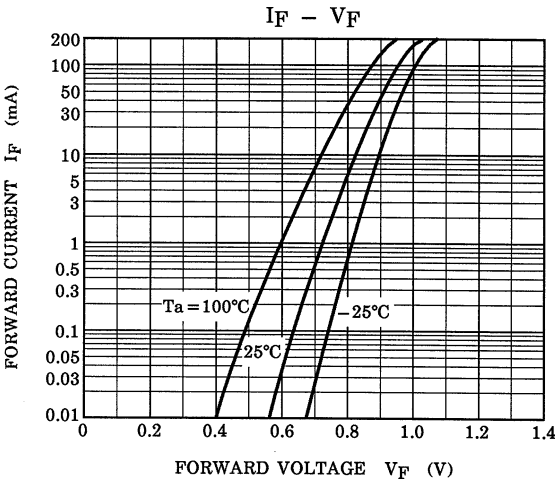
Characteristic	Symbol	Test Circuit	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	—	$I_F = 100mA$	—	1.0	1.3	V
Reverse current	$I_R$	—	$V_R = 80V$	—	0.1	10	nA
Total capacitance	$C_T$	—	$V_R = 0, f = 1MHz$	—	3.0	6.0	pF

Equivalent Circuit (Top View)



Marking





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