

TOSHIBA Diode Silicon Epitaxial Schottky Planar Type

1SS349

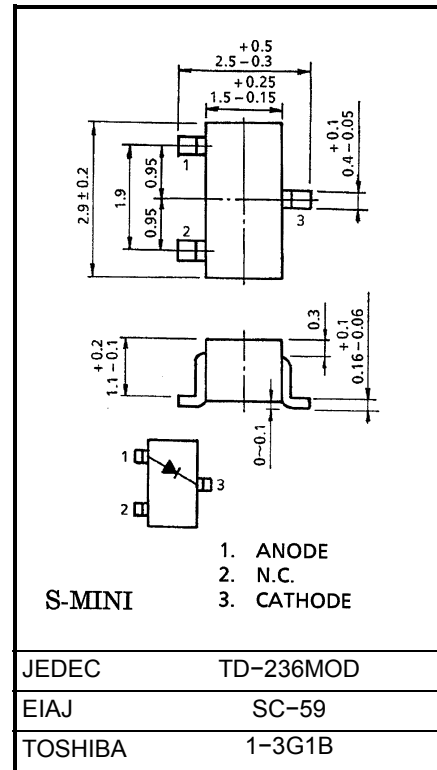
Ultra High Speed Switching Application

Unit: mm

- Low forward voltage : $V_F(3) = 0.49V$ (typ.)
- Low reverse current : $I_R = 50\mu A$ (max)
- Small package : SC-59

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	25	V
Reverse voltage	V_R	20	V
Maximum (peak) forward current	I_{FM}	3000	mA
Average forward current	I_O	1000	mA
Power dissipation	P	200	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~125	°C
Operating Temperature	T_{opr}	-40~100	°C

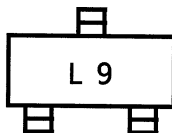


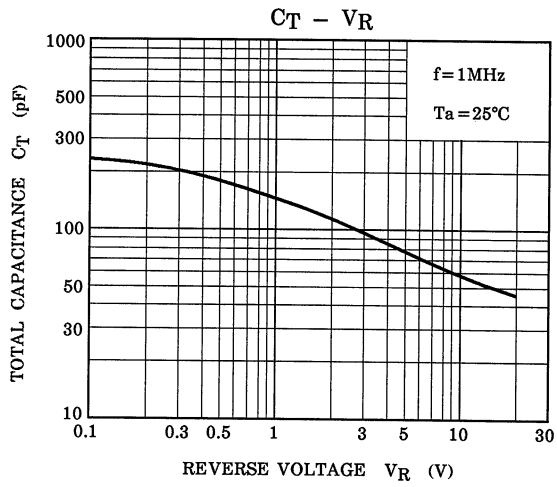
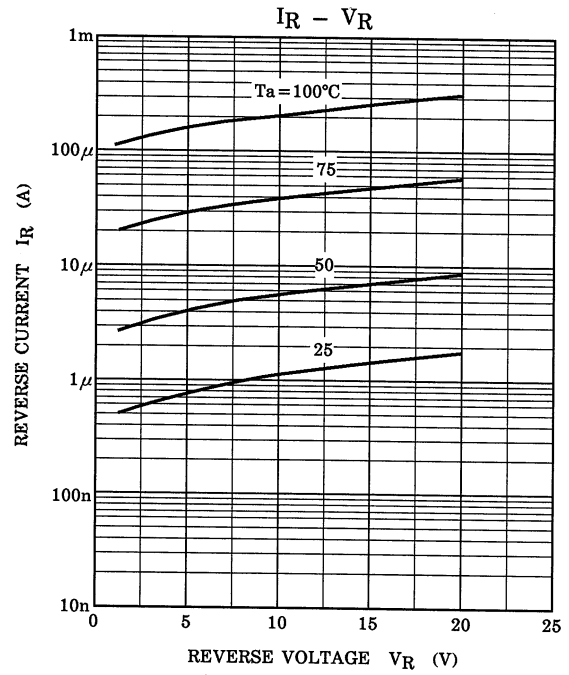
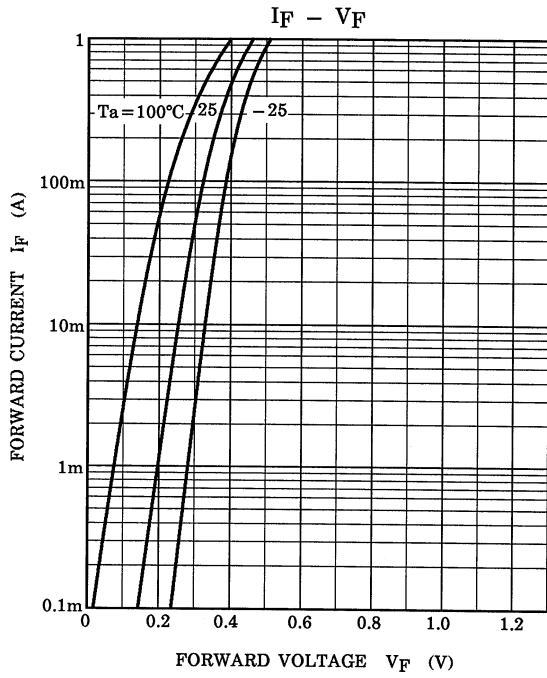
Weight: 0.012g

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Forward voltage	$V_F(1)$	—	$I_F = 100mA$	—	0.34	—	V
	$V_F(2)$	—	$I_F = 500mA$	—	0.42	—	
	$V_F(3)$	—	$I_F = 1000mA$	—	0.49	0.55	
Reverse current	$I_R(1)$	—	$V_R = 20V$	—	—	50	μA
Total capacitance	C_T	—	$V_R = 0, f = 1MHz$	—	250	—	pF

Marking





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