TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

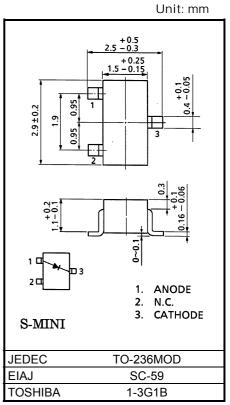
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High Speed Switching Application

- Small package
- Low forward voltage: V_F (2) = 0.23V (typ.) @I_F = 5mA

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse Voltage	V_{RM}	15	V
Reverse voltage	V _R	10	V
Maximum (peak) forward current	I _{FM}	200	mA
Average forward current	Io	100	mA
Surge current (10ms)	I _{FSM}	1	Α
Power dissipation	Р	150	mW
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	−55~125	°C
Operating temperature range	T _{opr}	− 40~100	°C



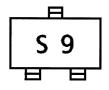
Weight: 0.012g

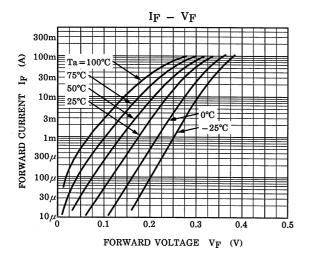
Electrical Characteristics (Ta = 25°C)

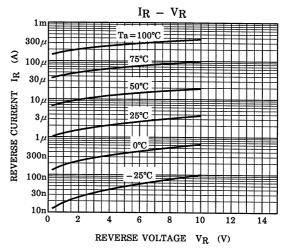
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.18	-	
	V _{F (2)}	_	I _F = 5mA	1	0.23	0.30	V
	V _{F (3)}	_	I _F = 100mA	ı	0.35	0.50	
Reverse current	I _R	_	V _R = 10V	_	_	20	μA
Total capacitance	C _T	_	$V_R = 0$, $f = 1MH_z$	_	20	40	pF

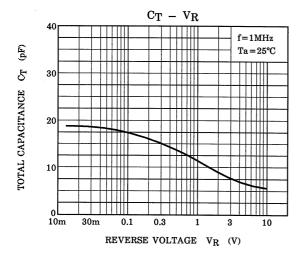
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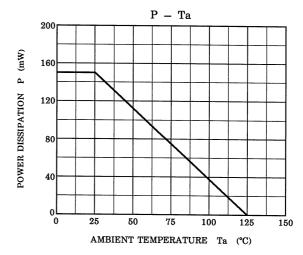
Marking











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