TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

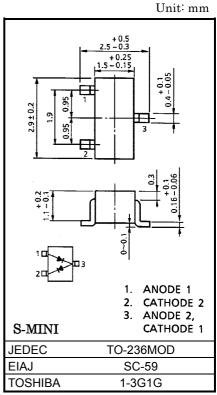
1SS396

Low Voltage High Speed Switching

- Low forward voltage $: V_F (3) = 0.54V (typ.)$
 - Low reverse current $I_R = 5\mu A \text{ (max.)}$
- Small package
- \cdot IR 5µA (max : SC-59

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Maximum (peak) reverse Voltage	V _{RM}	45	V	
Reverse voltage	V _R	40	V	
Maximum (peak) forward current	I _{FM}	300 *	mA	
Average forward current	Ι _Ο	100 *	mA	
Surge current (10ms)	I _{FSM}	1 *	А	
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	



* Unit rating. Total rating = unit rating $\times 0.7$

Weight: 0.012g

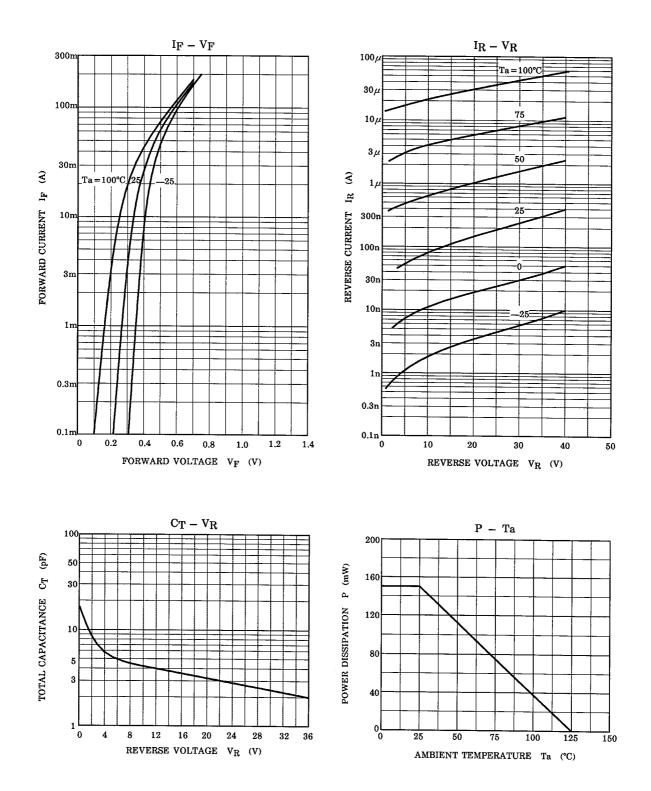
Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.28	_	
	V _{F (2)}	_	I _F = 10mA	_	0.36	—	V
	V _{F (3)}	_	I _F = 100mA	_	0.54	0.60	
Reverse current	I _R	_	V _R = 40V	_	_	5	μA
Total capacitance	CT	_	V _R = 0, f = 1MH _z	_	18	25	pF

Marking



TOSHIBA



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