TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

1SS372

High Speed Switching Application

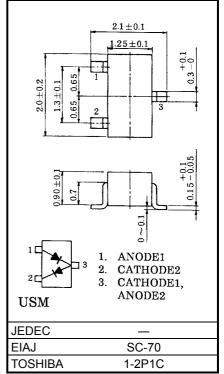
- Small package
- Low forward voltage: $V_F = 0.23V$ (typ.) @ $I_F = 5mA$

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	100	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

Unit: mm



Weight: 0.006g

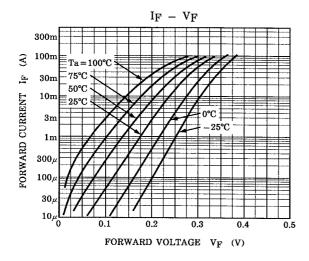
Electrical Characteristics (Ta = 25°C)

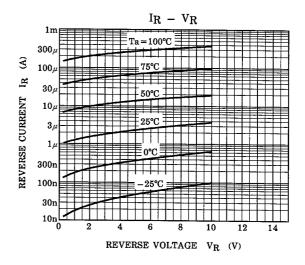
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.18	_	
	V _{F (2)}	_	I _F = 5mA	_	0.23	0.30	V
	V _{F (3)}	_	I _F = 100mA	_	0.35	0.50	
Reverse current	I _R	_	V _R = 10V	_	_	20	μA
Total capacitance	C _T	_	V _R = 0, f = 1MHz	_	20	40	pF

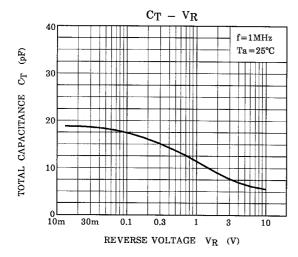
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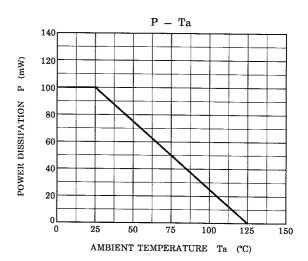
Marking











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