TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

1SS369

Low Voltage High Speed Switching

• Small package

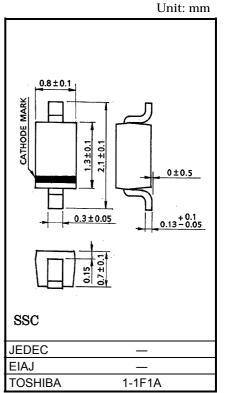
• Low forward voltage: $V_{F(3)} = 0.97V$ (typ.)

Low reverse current: I_R = 5μA (max)

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	IO	100	mA
Surge current (10ms)	I _{FSM}	1	Α
Power dissipation	P *	150	mW
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	- 55~125	°C
Operating temperature range	T _{opr}	− 40~100	°C

^{*} Mounted on a glass epoxy circuit board of 20 \times 20 mm, Pad dimension of 4 \times 4 mm.



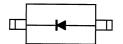
Weight: 1.9mg

Electrical Characteristics (Ta = 25°C)

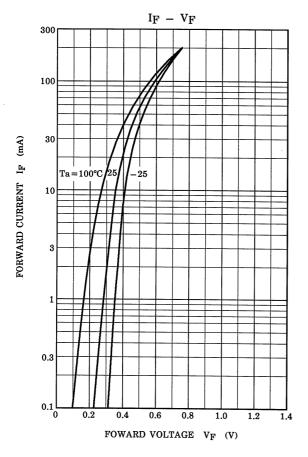
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit	
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.28	_		
	V _{F (2)}	_	I _F = 10mA	_	0.36	_	٧	
	V _{F (3)}	_	I _F = 100mA	_	0.54	0.60		
Reverse current	I _R	_	V _R = 40V	_	_	5	μA	
Total capacitance	C _T	_	V _R = 0, f = 1MH _z	_	18	25	pF	

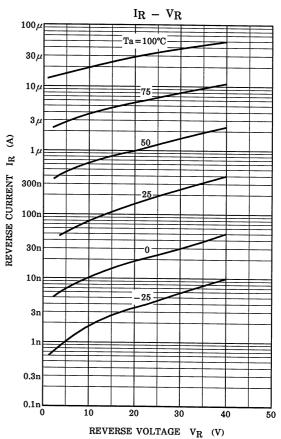
Pin Assignment (Top View)

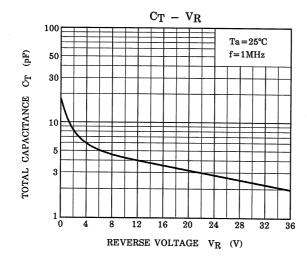
Marking











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