TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

1SS391

Low Voltage High Speed Switching

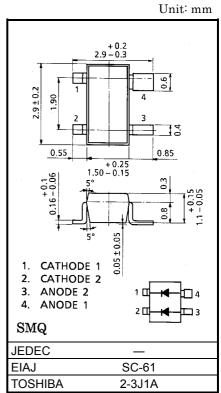
- Low forward voltage $: V_F (2) = 0.23V (typ.) @I_F = 5mA$
- Small package
- :SC-61

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	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	



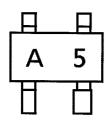
Electrical Characteristics (Ta = 25°C)



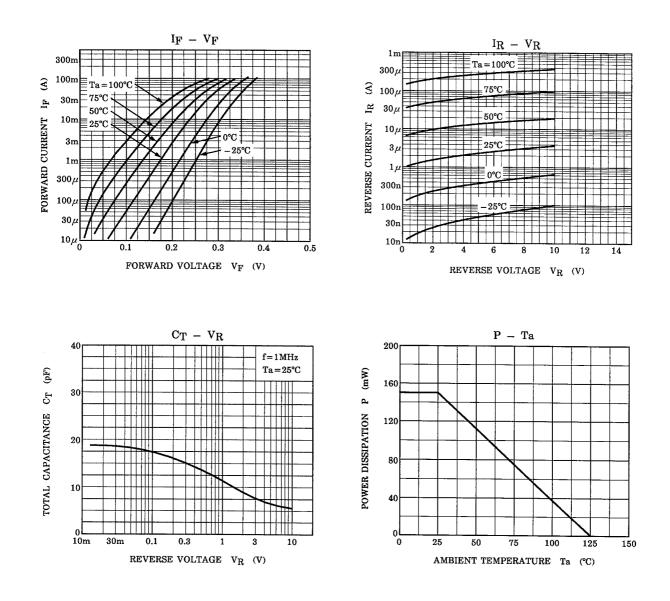
Weight: 0.013g

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

Marking



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