Unit: mm

TOSHIBA Diode Silicon Epitaxial Planar Type

1SS306

High Voltage, High Speed Switching Applications

• Small package : SC-61

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	250	V
Reverse voltage	V _R	200	V
Maximum (peak) forward current	I _{FM}	300 (*)	mA
Average forward current	Io	100 (*)	mA
Surge current (10ms)	I _{FSM}	2 (*)	Α
Power dissipation	Р	150	mW
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55~125	°C

^{*:} Unit rating. Total rating = unit rating × 1.5

1. CATHODE 2. CATHODE 2. 9-0.3 4 990 0.55 0.85 1.50-0.15 5° 0.015 0.00

ANODE

SC-61

2-3J1A

SMQ 4. ANODE

Weight: 0.013g

JEDEC EIAJ

TOSHIBA

Electrical Characteristics (Ta = 25°C)

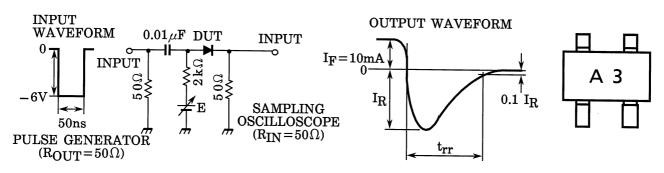
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 10mA	1	0.72	1.0	.,
	V _{F (2)}	_	I _F = 100mA	_	0.9	1.2	V
Reverse current	I _{R (1)}	_	V _R = 50V	1	_	0.1	
	I _{R (2)}	_	V _R = 200V	1	_	1.0	μA
Total capacitance	C _T	_	V _R = 0, f = 1MHz		1.5	3.0	pF
Reverse recovery time	t _{rr}	_	I _F = 10mA Fig.1	_	30	60	ns

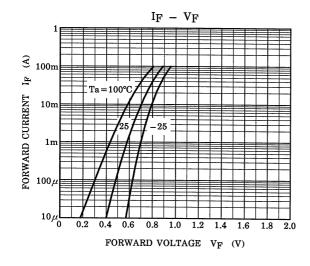
1

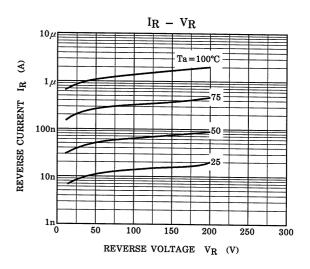
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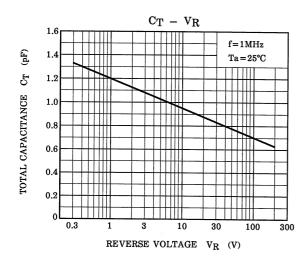
Fig.1 Reverse Recovery Time (t_{rr}) Test Circuit

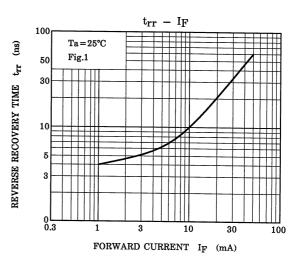
Marking











2

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000707EAA

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