TOSHIBA Diode Silicon Epitaxial Planar Type

1SS361

Ultra High Speed Switching Application

Small package

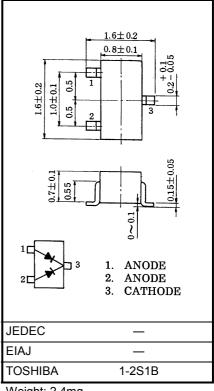
Low forward voltage $: V_F = 0.9V \text{ (typ.)}$ Fast reverse recovery time: $t_{rr} = 1.6$ ns (typ.) $: C_T = 0.9pF (typ.)$ Small total capacitance

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	85	V
Reverse voltage	V _R	80	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	100	mW
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55~125	°C

Unit rating. Total rating = unit rating × 1.5

Unit in mm



Weight: 2.4mg

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit	
Forward voltage	V _{F (1)}	_	I _F = 1mA	-	0.60	1	٧	
	V _{F (2)}	_	I _F = 10mA	_	0.72	-		
	V _{F (3)}	_	I _F = 100mA	_	0.90	1.20		
Reverse current	I _{R (1)}	_	V _R = 30V	_	_	0.1		
	I _{R (2)}	_	V _R = 80V	_	_	0.5	μA	
Total capacitance	C _T	_	V _R = 0, f = 1MH _z	_	0.9	3.0	pF	
Reverse recovery time	t _{rr}	_	I _F = 10mA, Fig.1	_	1.6	4.0	ns	

damage to property.

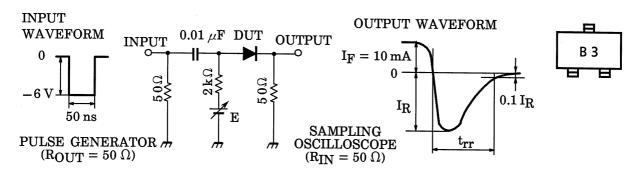
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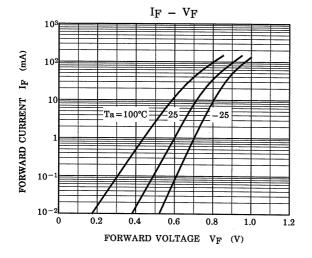
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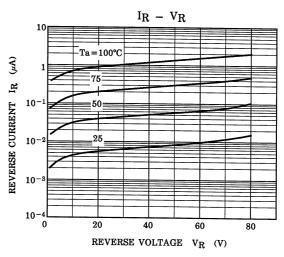
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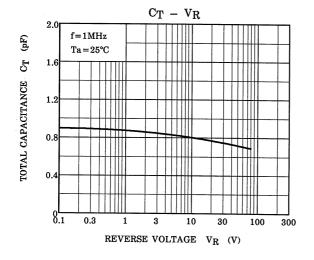
Fig.1 Reverse Recovery Time (trr) Test Circuit

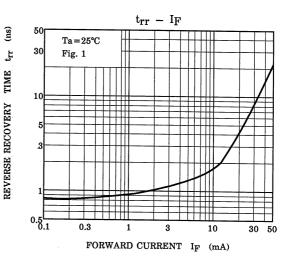
Marking











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