TOSHIBA Diode Silicon Epitaxial Planar Type

1SS337

Ultra High Speed Switching Application

• Small package : SC-59

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Maximum (peak) reverse voltage	V_{RM}	85	٧	
Reverse voltage	V _R	80	V	
Maximum (peak) forward current	I _{FM}	600 *	mA	
Average forward current	Io	200 *	mA	
Surge current (10ms)	I _{FSM}	6 *	Α	
Power dissipation	Р	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55~150	°C	

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

Unit: mm 2.5-0.3 1.5-0.15 1. ANODE 2. ANODE 3. CATHODE JEDEC TD-236MOD EIAJ SC-59 TOSHIBA 1-3G1F

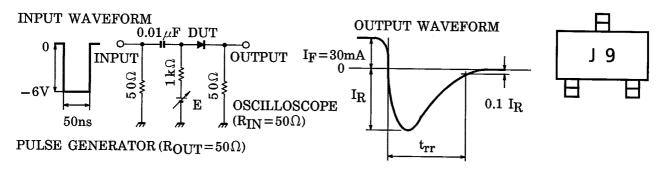
Weight: 0.012g

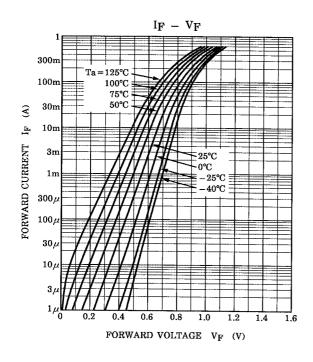
Electrical Characteristics (Ta = 25°C)

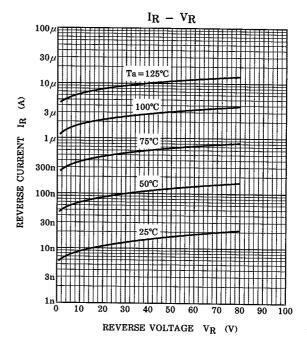
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 10mA	_	0.66	_	
	V _{F (2)}	_	I _F = 100mA	_	0.80	_	V
	V _{F (3)}	_	I _F = 200mA	_	0.88	1.20	
Reverse current	I _{R (1)}	_	V _R = 30V	_	_	0.25	μА
	I _{R (2)}	_	V _R = 80V	_	_	0.50	
Total capacitance	C _T	_	V _R = 0, f = 1MHz		1.6		pF
Reverse recovery time	t _{rr}	_	I _F = 30mA, Fig.1	_	6	20	ns

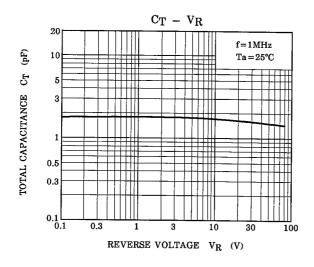
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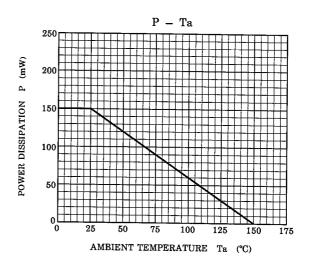
Fig.1 Reverse Recovery Time (t_{rr}) Test Circuit Marking











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