Unit: mm

TOSHIBA Diode Silicon Epitaxial Planar Type

1SS362

Ultra High Speed Switching Application

Small package

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}	240 *	mA
Average forward current	Io	80 *	mA
Surge current (10ms)	I _{FSM}	1*	Α
Power dissipation	Р	100	mW
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55~125	°C

^{*} Unit rating. Total rating = unit rating \times 0.7

1.6±02 0.8±0.1 1.0+20 1.0+2

ANODE 2 /CATHODE 1

1-2S1C

Weight: 2.4mg

JEDEC EIAJ

TOSHIBA

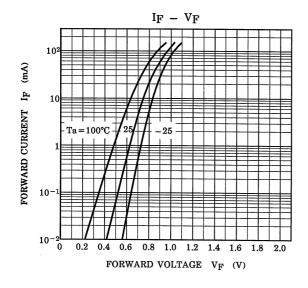
Electrical Characteristics (Ta = 25°C)

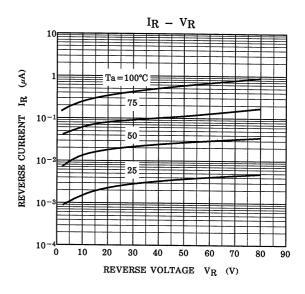
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit	
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.63	_		
	V _{F (2)}	_	I _F = 10mA	_	0.75	_	V	
	V _{F (3)}	_	I _F = 100mA	_	0.97	1.20		
Reverse current	I _{R (1)}	_	V _R = 30V	_	_	0.1		
	I _{R (2)}	_	V _R = 80V	_	_	0.5	μA	
Total capacitance	C _T	_	V _R = 0, f = 1MHz	_	0.5	3.0	pF	
Reverse recovery time	t _{rr}	_	I _F = 10mA, Fig.1	_	1.6	4.0	ns	

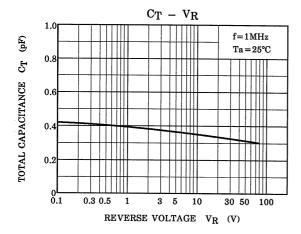
1

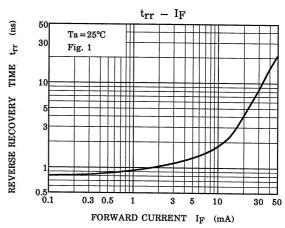
Marking











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000707EAA

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