TOSHIBA Diode Silicon Epitaxial Planar Type

1SS322

Low Voltage High Speed Switching

• Low forward voltage $: V_{F(3)} = 0.54V \text{ (typ.)}$ • Low reverse current $: I_{R} = 5\mu\text{A (max)}$

• Small package : SC-70

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	45	V
Reverse voltage	V _R	40	V
Maximum (peak) forward current	I _{FM}	300	mA
Average forward current	Io	100	mA
Power dissipation	Р	100	mW
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55~125	°C

2.1±0.1 1.25±0.1 1.4NODE 2. N.C. USM 3. CATHODE JEDEC EIAJ SC-70 TOSHIBA 1.25±0.1 1.2

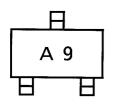
Weight: 0.006g

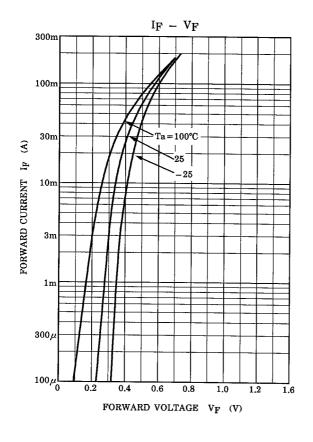
Electrical Characteristics (Ta = 25°C)

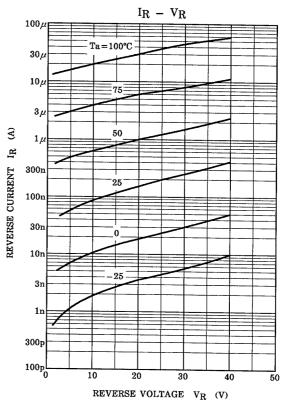
Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit	
Forward voltage	V _{F (1)}	_	I _F = 1mA		0.28	_		
	V _{F (2)}	_	I _F = 10mA	_	0.36	_	V	
	V _{F (3)}	_	I _F = 100mA	_	0.54	0.60		
Reverse current	IR	_	V _R = 40V	_	_	5	μA	
Total capacitance	C _T	_	V _R = 0, f = 1MHz	_	18	25	pF	

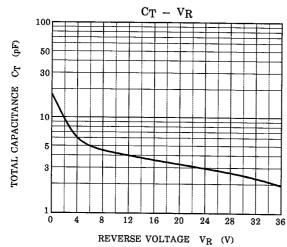
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Marking









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