TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

1SS348

Low Voltage High Speed Switching

Low forward voltage VF(3) = 0.56V (typ.)Low reverse current $IR = 5\mu\text{A (max)}$

• Small package : SC-59

Absolute Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Maximum (peak) reverse voltage	V_{RM}	85	V	
Reverse voltage	V _R	80	(\nearrow)	
Maximum (peak) forward current	I _{FM}	300	mA	
Average forward current	IO	100	mΑ	
Power dissipation	Р	200	mW	
Junction temperature	Tj	125	°C	
Storage temperature	T _{stg}	-55~125	°C	
Operating Temperature	T _{opr}	-40~100	°C.	

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e.

TØSHIBA 1 Weight: 0.012g (typ.)

S-MINI

MEDEG

JEITA

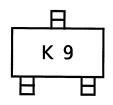
operating temperature/current/voltage, etc.) are within the absolute maximum ratings.

Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/"Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
	V _{F/(1)}		I _F = 1mA	_	0.26	_	
Forward voltage	VF (2)	_	I _F = 10mA	-	0.34	_	V
	VF (3)	_	I _F = 100mA	ı	0.56	0.70	
Reverse current	(I _R (1)	_	V _R = 80V	_	_	5	μΑ
Total capacitance	CT	_	V _R = 0, f = 1MHz	_	45	100	pF

Marking



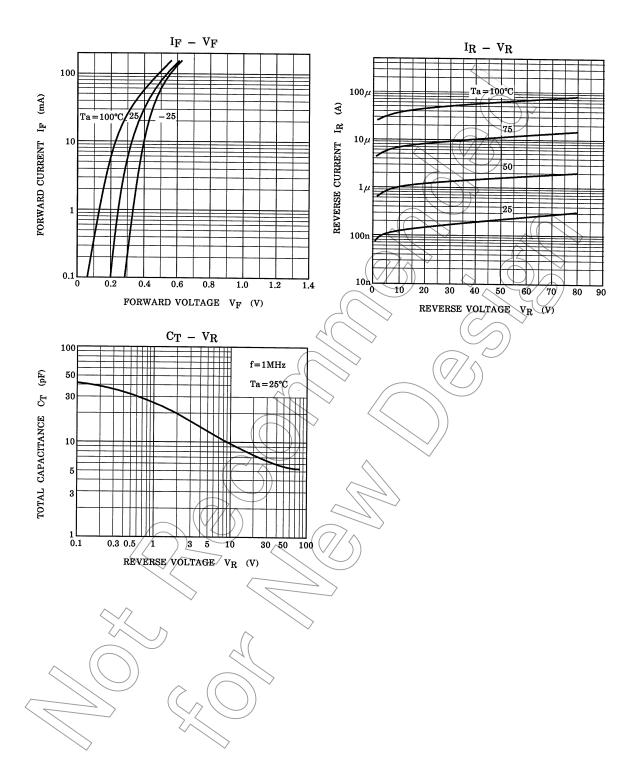
Unit: mm

ANODE
N.C.
CATHODE

TD-236MOD

SC-59

1-3G1B



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