

LTspice Model Switching Diode TOSHIBA 1SS300

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_1SS300_LT

 Pin Assign
 1:A 2:C

 File List
 Model Library
 MDC_1SS300_LT01.lib

 Model Report
 MDC_1SS300_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet]

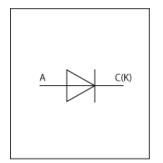
Date/Version
Product name
Company name
Characteristics

2014-03-01 1SS300 Toshiba Corporation IfVf[Temp],IrVr[Temp],CjVr

Simulation Range

This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

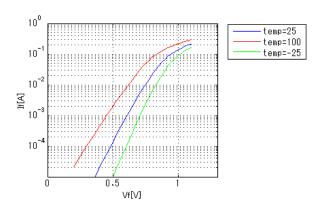
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	11	V
Reverse Voltage	0	to	160	V
Temperature	-55	to	125	deg C





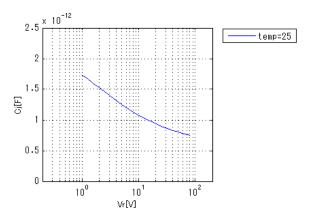
Simulation results are following. Explanatory notes -: simulated

lfVf[Temp]

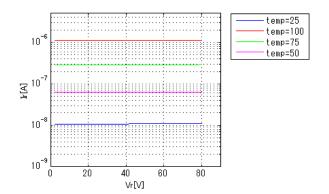


CjVr





IrVr[Temp]





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