

MDC_S1MFN_PS

PSpice Model Rectifier Diode LITE-ON S1MFN

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_S1MFN_PS

 Pin Assign
 1:A 2:C

 File List
 Model Library
 MDC_S1MFN_PS01.lib

 Model Report
 MDC_S1MFN_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

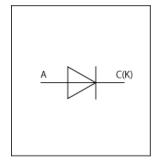
Date/Version
Product name
Company name
Characteristics

REV. 2, May.-2017 S1MFN Lite-On Semiconductor Corp. IfVf[Temp],IrVr[Temp],CjVr,Trr

Simulation Range

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

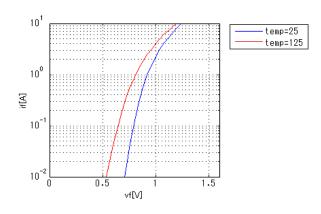
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	14	V
Temperature	-55	to	150	deg C





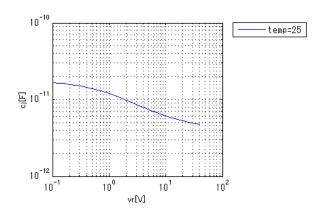
Simulation results are following. Explanatory notes -: simulated

lfVf[Temp]

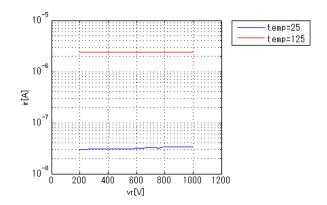


CjVr

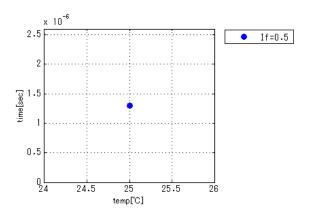
Freq. = 1MHz



IrVr[Temp]



Trr





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