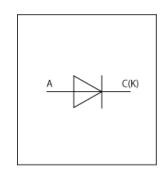


PSpice Model Rectifier Diode LITE-ON 1N4005



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_1N4005_PS

Pin Assign 1:A 2:C

File List Model Library MDC_1N4005_PS01.lib

Model Report MDC_1N4005_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 REV. 9, MAY-2015

Product name 1N4005

Company name Lite-On Semiconductor Corp.

Characteristics IfVf[Temp],CjVr,Trr

Simulation Range

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

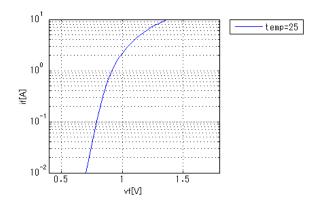
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	14	V
Temperature	-55	to	150	deg C



Simulation results are following.

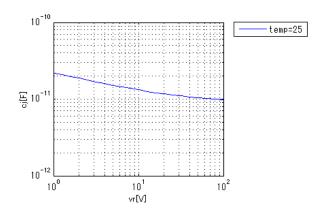
Explanatory notes — : simulated

IfVf[Temp]

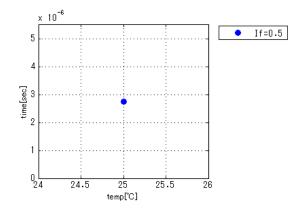


CjVr

Freq. = 1MHz



Trr





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