

PSpice Model

Fast Recovery Diode

LITE-ON

PR2007G



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_PR2007G_PS
Pin Assign 1:A 2:C
File List Model Library MDC_PR2007G_PS01.lib
 Model Report MDC_PR2007G_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version REV. 5
- Product name PR2007G
- Company name Lite-On Semiconductor Corp.
- Characteristics CjVr,IfVf[Temp],Trr

Simulation Range

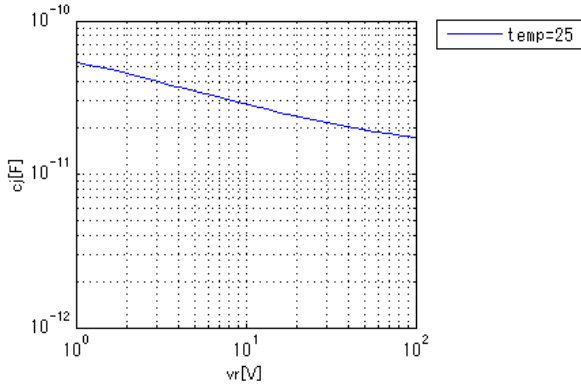
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	14	V
Reverse Voltage	0	to	2000	V
Temperature	-55	to	150	deg C

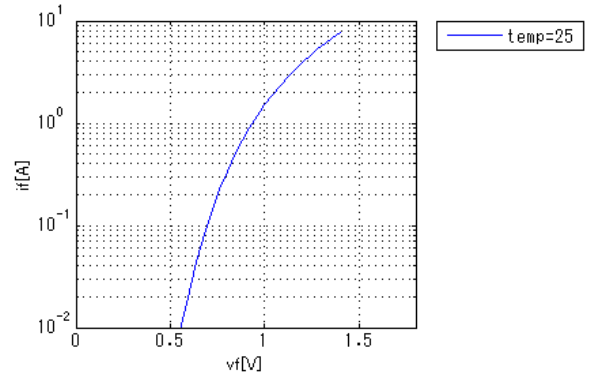
Simulation results are following.
 Explanatory notes — : simulated

CjVr

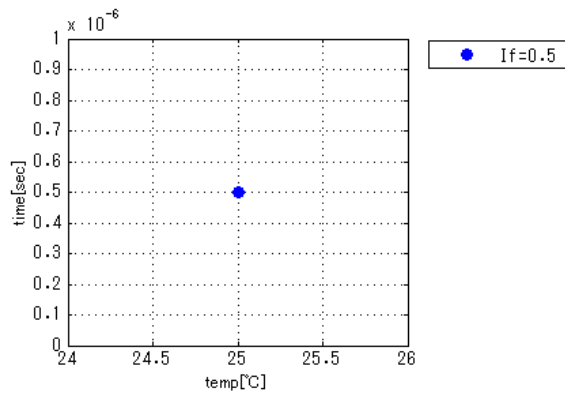
Freq. = 1MHz



IfVf[Temp]



Trr



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