

PSpice Model

Switching Diode

VISHAY

LL4154



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_LL4154_PS
Pin Assign 1:A 2:C
File List Model Library MDC_LL4154_PS01.lib
 Model Report MDC_LL4154_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. 1.7
- Product name LL4154
- Company name Vishay Intertechnology, Inc.
- Characteristics CjVr,I_fV_f[Temp],T_{rr}

Simulation Range

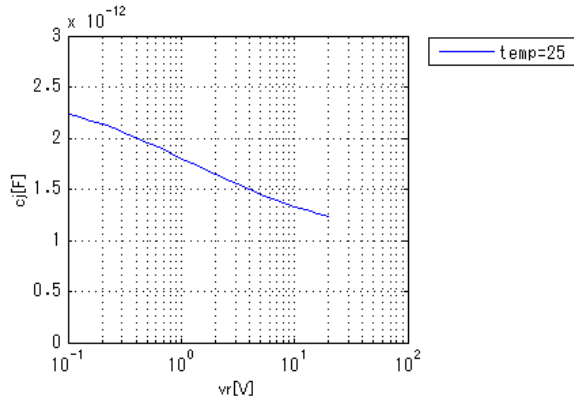
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12	V
Reverse Voltage	0	to	50	V
Temperature	-65	to	175	deg C

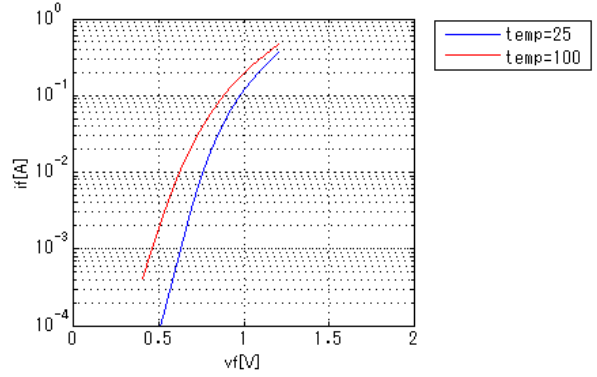
Simulation results are following.
 Explanatory notes — : simulated

CjVr

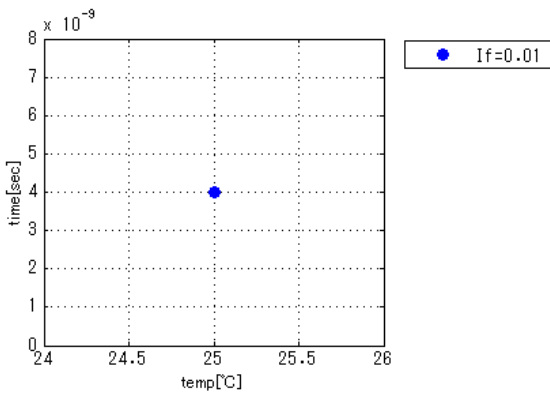
Freq. = 1MHz



IfVf[Temp]



Trr



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MoDeCH Inc.

Head Office

Location: Mitsuseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:<http://www.modech.com/en/>