

PSpice Model

Switching Diode

ROHM

DA204UT106



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_DA204UT106_PS
Pin Assign 1:A 2:C
File List Model Library MDC_DA204UT106_PS01.lib
 Model Report MDC_DA204UT106_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 2016/11/02_Rev.002
- Product name DA204UT106
- Company name ROHM Co., Ltd.
- Characteristics IfVf[Temp](D1),IrVr[Temp](D1),CjVr(D1),IfVf[Temp](D2),IrVr[Temp](D2),CjVr(D2)

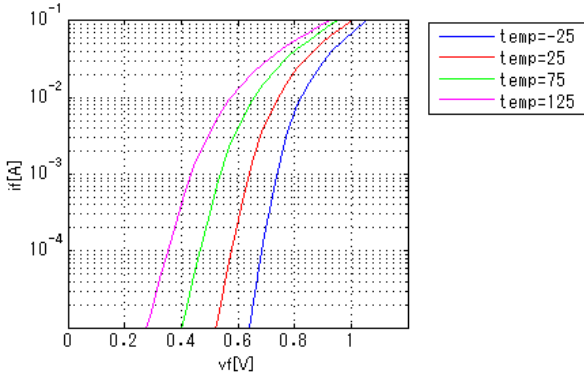
Simulation Range

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

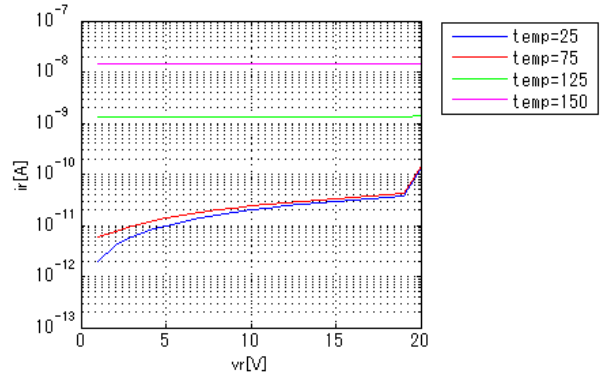
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	40	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp](D1)

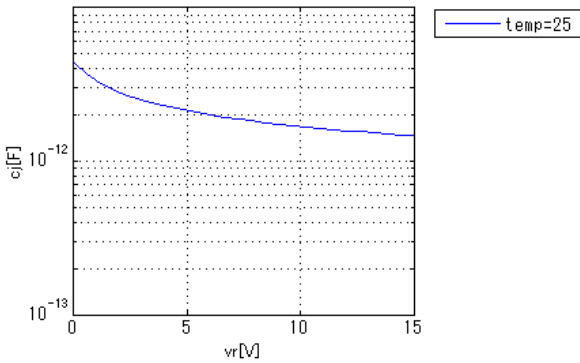


IrVr[Temp](D1)

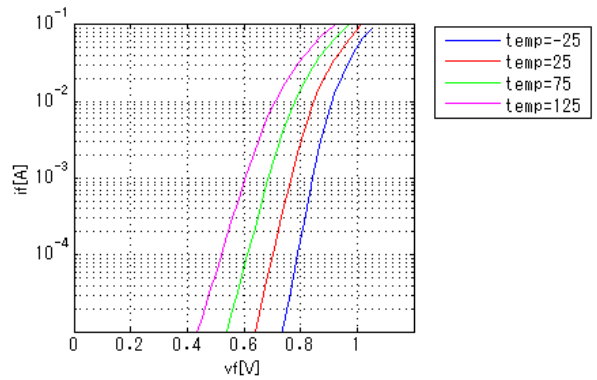


CjVr(D1)

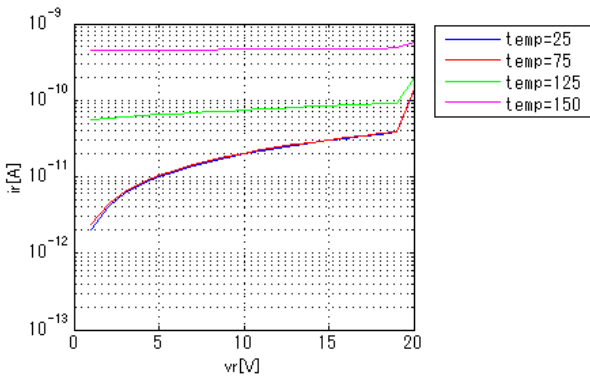
Freq. = 1MHz



IfVf[Temp](D2)

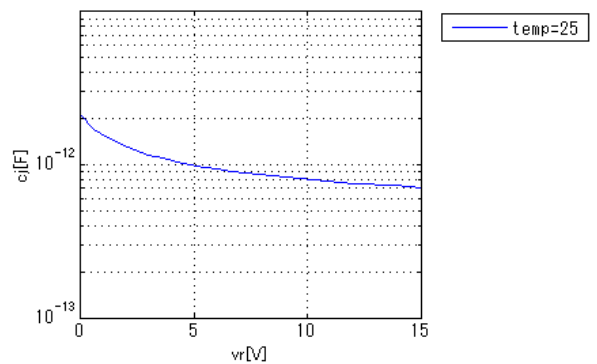


IrVr[Temp](D2)



CjVr(D2)

Freq. = 1MHz



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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/>