

PSpice Model

Switching Diode

ROHM

DA228UFH

Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_DA228UFH_PS
Pin Assign 1:C 2:A 3:A/C
File List Model Library MDC_DA228UFH_PS01.lib
 Model Report MDC_DA228UFH_PS.pdf (this file)
Verified Simulator Version PSpice version 17.2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2017/01/30_Rev.002
- Product name DA228UFH
- Company name ROHM Co., Ltd.
- Characteristics IfVf[Temp]_(D1),IfVf[Temp]_(D2),IrVr[Temp]_(D1),
IrVr[Temp]_(D2),CjVr_(D1),CjVr_(D2),CjVr_(Ct12)

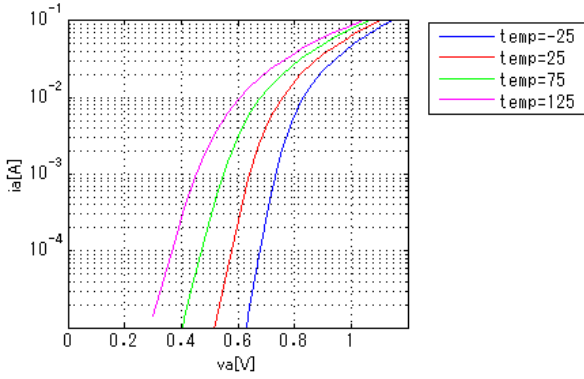
Simulation Range

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

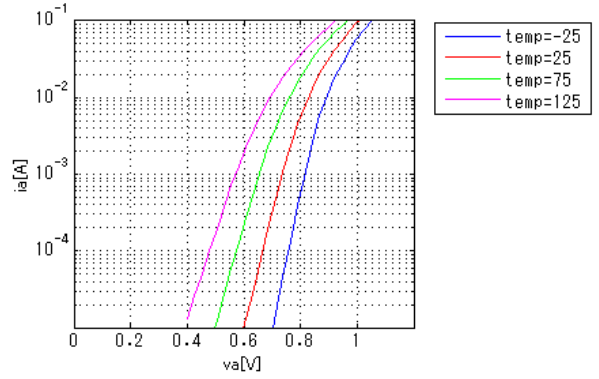
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	160	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

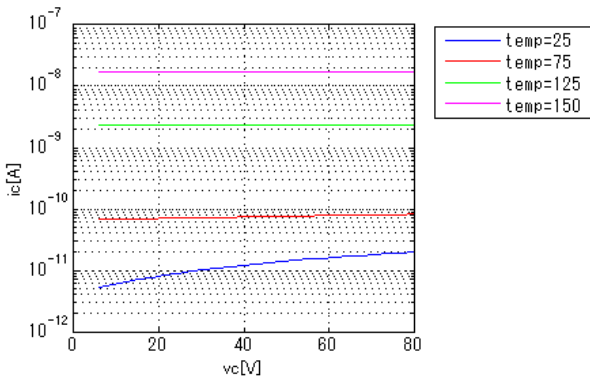
IfVf[Temp]_(D1)



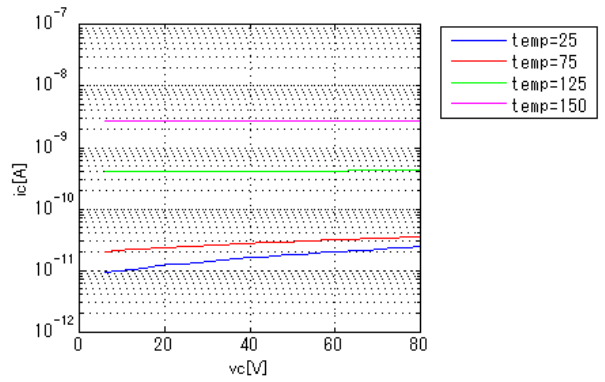
IfVf[Temp]_(D2)



IrVr[Temp]_(D1)

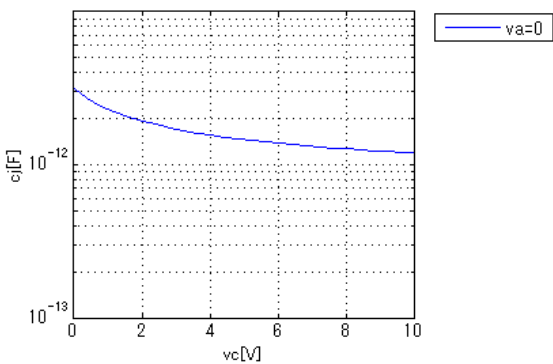


IrVr[Temp]_(D2)



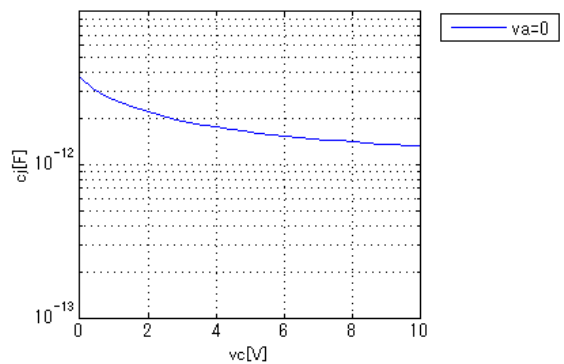
CjVr_(D1)

Freq. = 1MHz



CjVr_(D2)

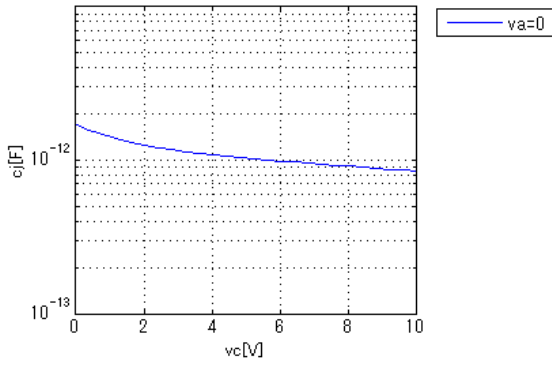
Freq. = 1MHz



Simulation results are following.
 Explanatory notes — : simulated

CjVr_(Ct12)

Freq. = 1MHz



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