

PSpice Model

Schottky Diode

ROHM Semiconductor

RB551VM-30

Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_RB551VM-30_PS
Pin Assign 1:C 2:A
File List Model Library MDC_RB551VM-30_PS01.lib
 Model Report MDC_RB551VM-30_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 2017/05/16 Rev.001
- Product name RB551VM-30
- Company name ROHM Co., Ltd.
- Characteristics IFVFTEMP,IRVRTEMP,CJVR,TRRTEMP_IFIR

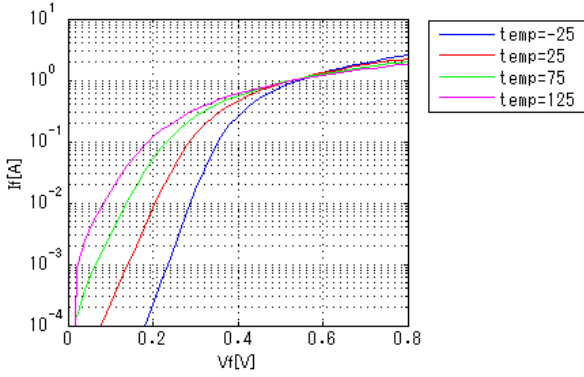
Simulation Range

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

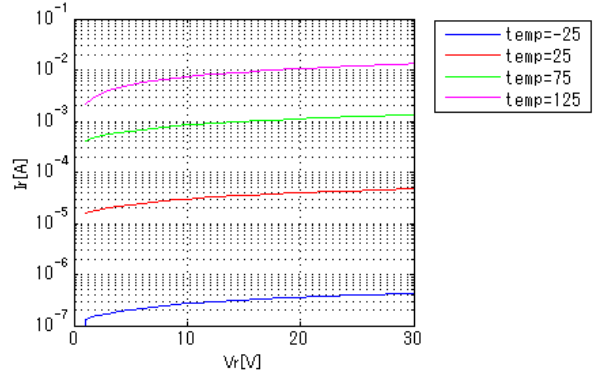
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	40	V
Temperature	-40	to	125	deg C

Simulation results are following.
 Explanatory notes — : simulated

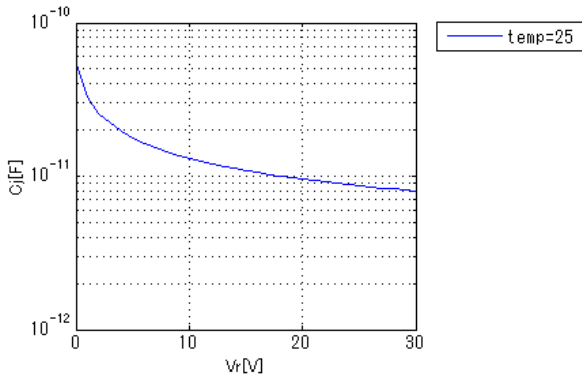
IFVFTEMP



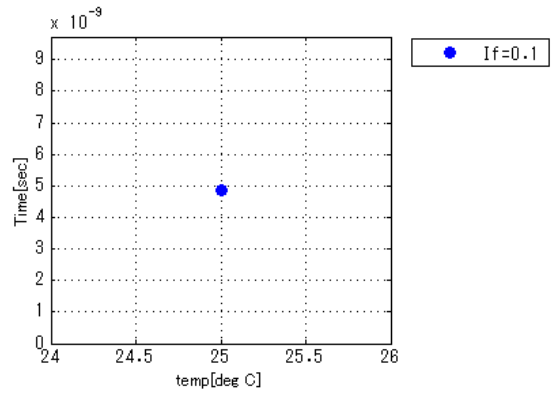
IRVRTEMP



CJVR



TRRTEMP_IFIR



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