

PSpice Model

Switching Diode

KYOCERA

NA05QSA045



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_NA05QSA045_PS
Pin Assign 1:A 2:C
File List Model Library MDC_NA05QSA045_PS01.lib
 Model Report MDC_NA05QSA045_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 Unknown
- Product name NA05QSA045
- Company name KYOCERA Corporation
- Characteristics IfVf[Temp],Irr[Temp],CjVr

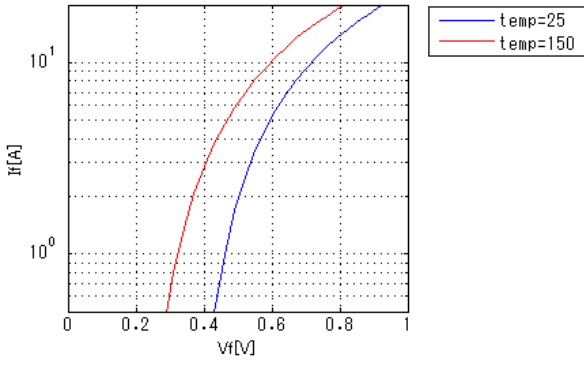
Simulation Range

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

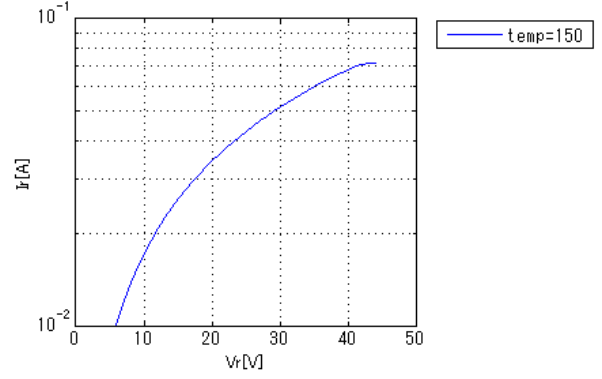
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	9	V
Reverse Voltage	0	to	90	V
Temperature	-40	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

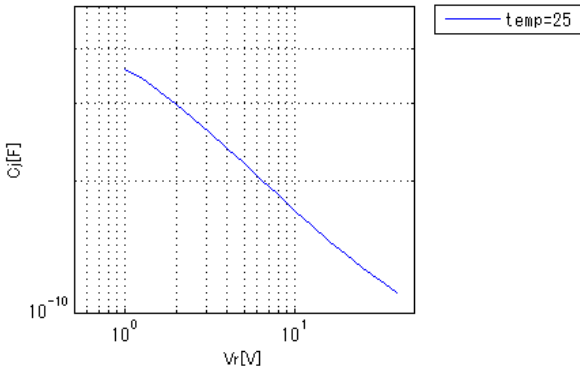


IrVr[Temp]



CjVr

Freq. = 0.1MHz



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