

PSpice Model Rectifier Diode SHINDENGEN D1NK100-5070



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_D1NK100-5070_PS
Pin Assign 1:C 2:A
File List Model Library MDC_D1NK100-5070_PS01.lib
 Model Report MDC_D1NK100-5070_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 2012.06
- Product name D1NK100-5070
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp],CjVr,Trr

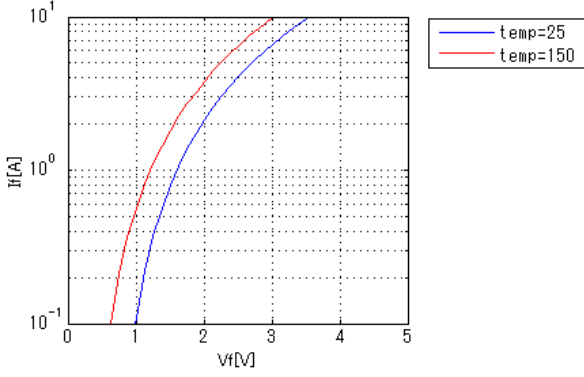
Simulation Range

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

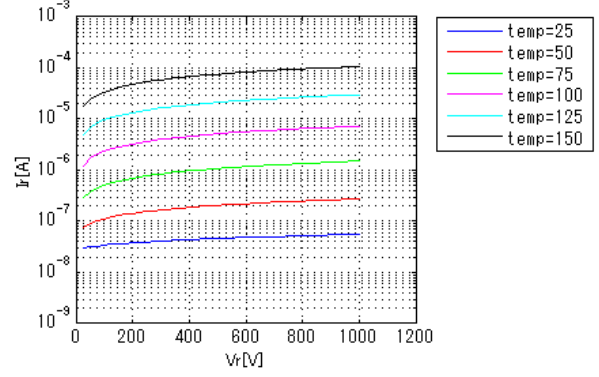
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	50	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

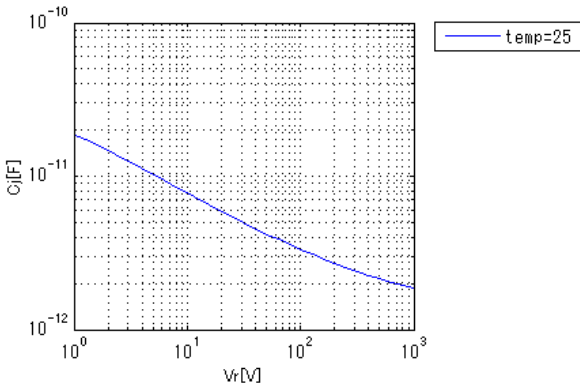


IrVr[Temp]

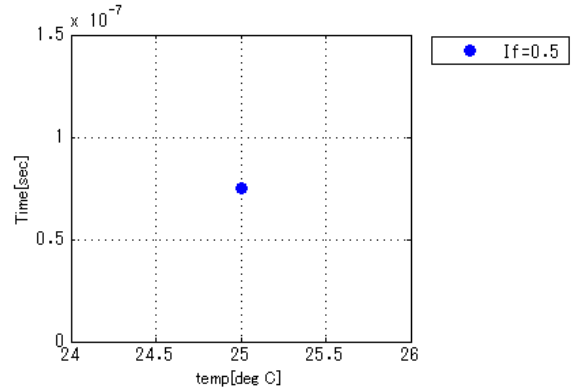


CjVr

Freq. = 1MHz



Trr



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