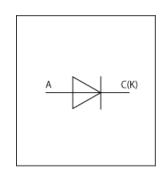


PSpice Model Switching Diode NXP 1PS302



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC 1PS302 PS

Pin Assign 1:A 2:C

File List Model Library MDC_1PS302_PS01.lib

Model Report MDC_1PS302_PS.pdf (this file)

Verified Simulator Version

Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version 23.Jul.2012 - Rev.6

Product name 1PS302

Company name NXP Semiconductors N.V.

Characteristics IfVf[Temp],CjVr,Trr

Simulation Range

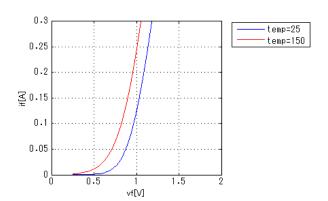
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12.5	V
Reverse Voltage	0	to	160	V
Temperature	-65	to	150	deg C



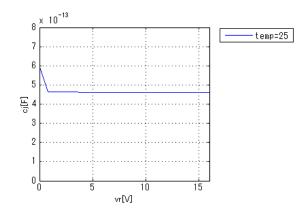
Simulation results are following. Explanatory notes — : simulated

IfVf[Temp]

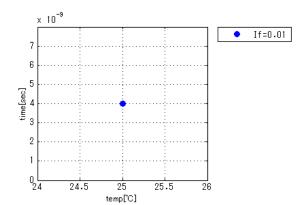


CjVr

Freq. = 1MHz



Trr





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