

PSpice Model

Zener Diode

Panasonic

DZ2J150M0



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_DZ2J150M0_PS
Pin Assign 1:A 2:C
File List Model Library MDC_DZ2J150M0_PS01.lib
 Model Report MDC_DZ2J150M0_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 12.Jul.2013 - Rev.3
- Product name DZ2J150M0
- Company name Panasonic Corporation
- Characteristics IfVf[Temp],IrVr[Temp],CjVr,BvTemp,IrVr(Breakdown)

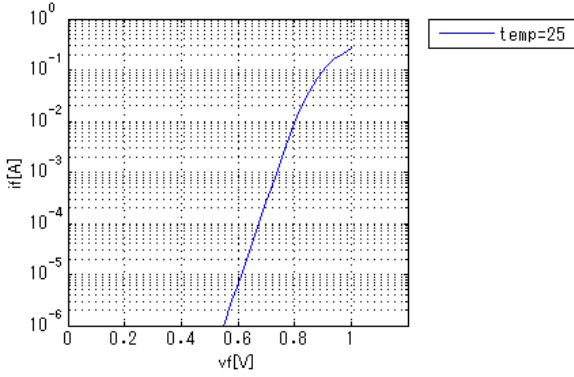
Simulation Range

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

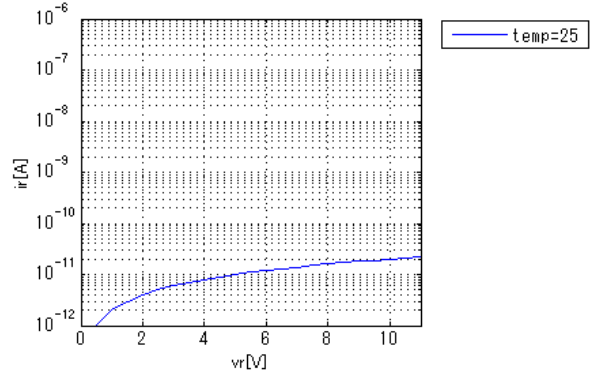
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	29.96	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

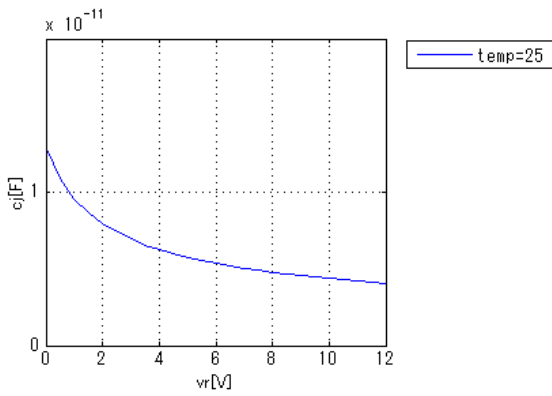


IrVr[Temp]

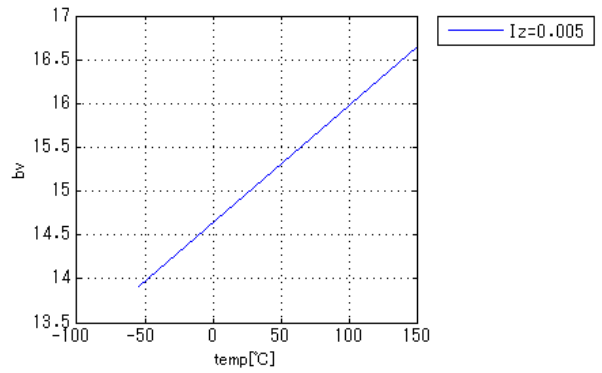


CjVr

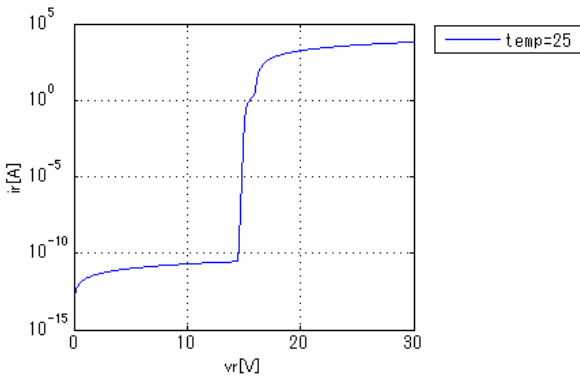
Freq. = 1MHz



BvTemp



IrVr(Breakdown)



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