

LTspice Model

Zener Diode

Panasonic Corporation

DZ2W39000L



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_DZ2W39000L_LT
Pin Assign 1:C 2:A
File List Model Library MDC_DZ2W39000L_LT01.lib
 Model Report MDC_DZ2W39000L_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2013-05-08
- Product name DZ2W39000L
- Company name Panasonic Corporation
- Characteristics IfVf[Temp],IrVr[Temp],CjVr,BvTemp, IzVz[Temp],IrVr(Breakdown)

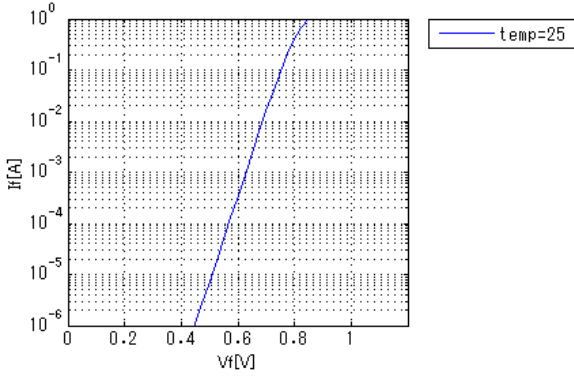
Simulation Range

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

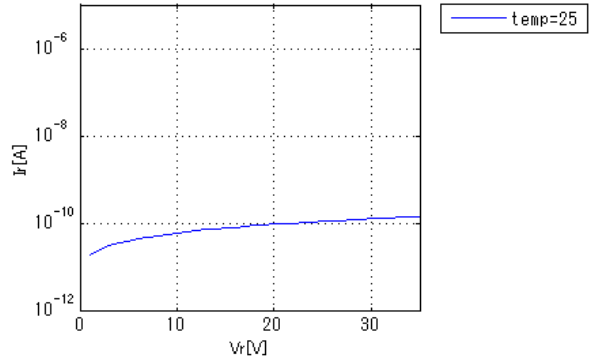
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12	V
Reverse Voltage	0	to	78	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

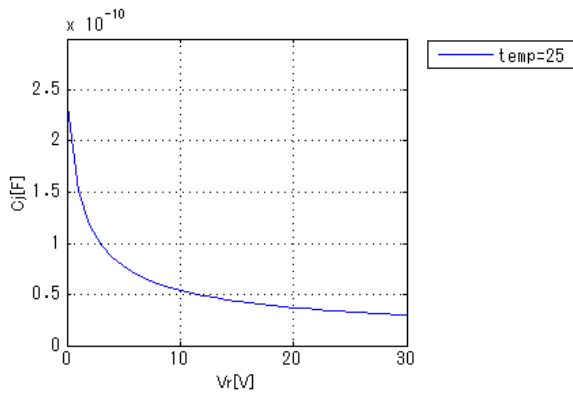


IrVr[Temp]

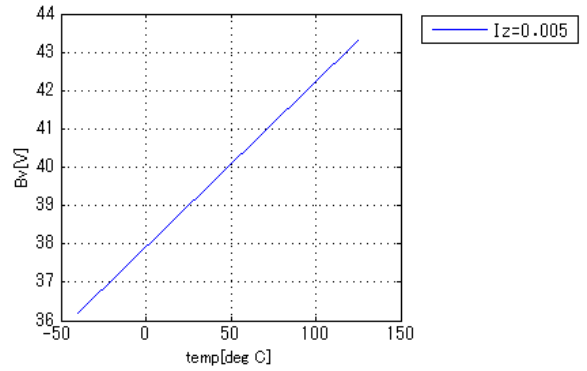


CjVr

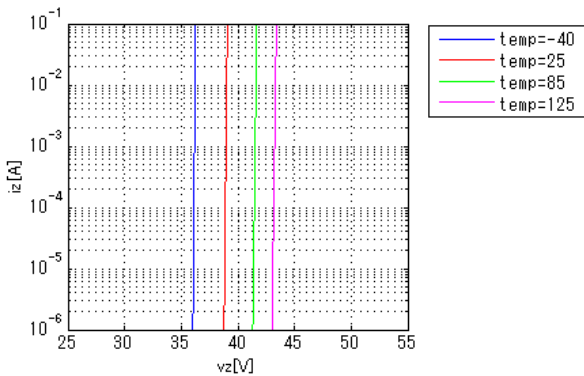
Freq. = 1MHz



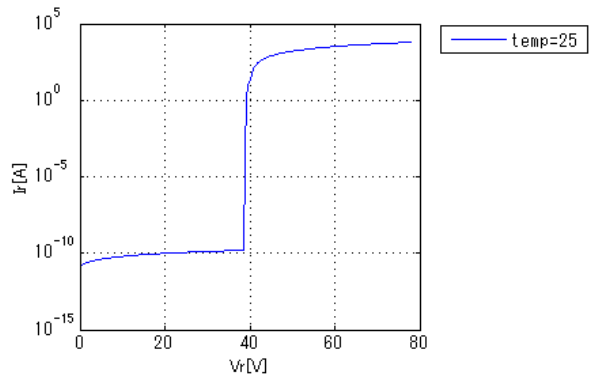
BvTemp



IzVz[Temp]



IrVr(Breakdown)



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