

PSpice Model

Zener Diode

SHINDENGEN

ST20-33F2



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_ST20-33F2_PS
Pin Assign 1:A 2:C
File List Model Library MDC_ST20-33F2_PS01.lib
 Model Report MDC_ST20-33F2_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 Feb.2016
- Product name ST20-33F2
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics CjVr,BvTemp,IrVr(Breakdown)

Simulation Range

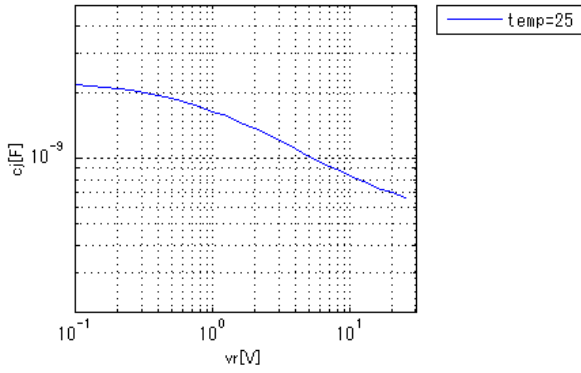
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	66	V
Temperature	-55	to	175	deg C

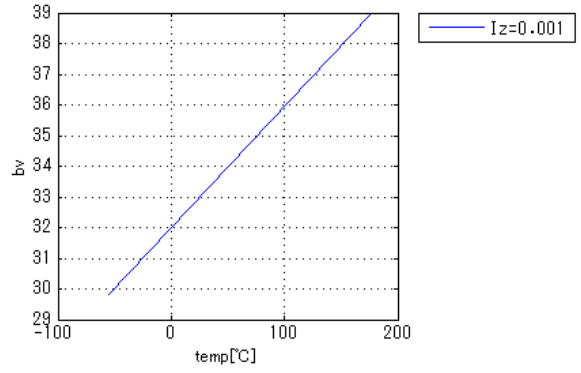
Simulation results are following.
 Explanatory notes — : simulated

CjVr

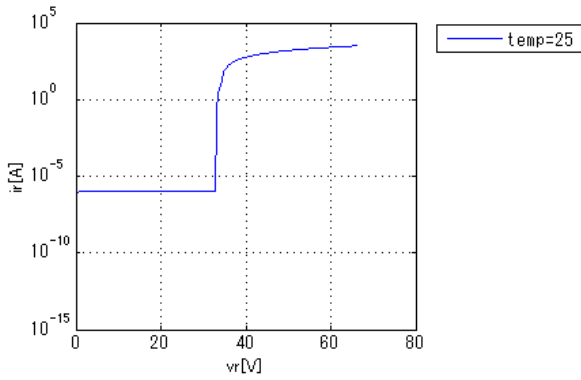
Freq. = 1MHz



BvTemp



IrVr(Breakdown)



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