

PSpice Model

Zener Diode

ROHM

MTZJ3.6B



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_MTZJ3_6B_PS
Pin Assign 1:A 2:C
File List Model Library MDC_MTZJ3_6B_PS01.lib
 Model Report MDC_MTZJ3_6B_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 Rev.D
- Product name MTZJ3.6B
- Company name ROHM Co., Ltd.
- Characteristics IrVr[Temp],CjVr,BvTemp,IrVr(Breakdown)

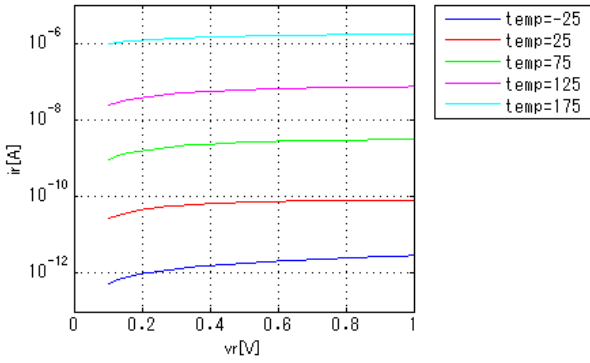
Simulation Range

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

| Item | Range | | | Unit |
|-----------------|-------|----|-------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 7.445 | V |
| Temperature | -65 | to | 175 | deg C |

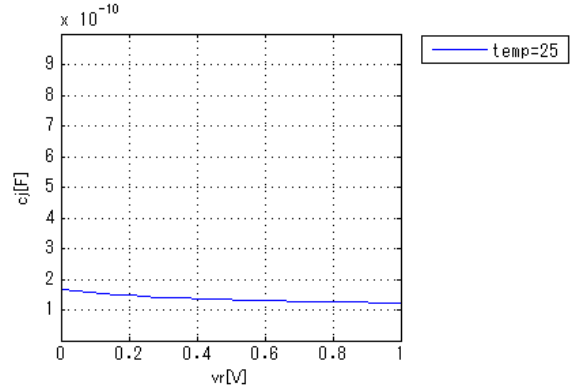
Simulation results are following.
 Explanatory notes — : simulated

IrVr[Temp]

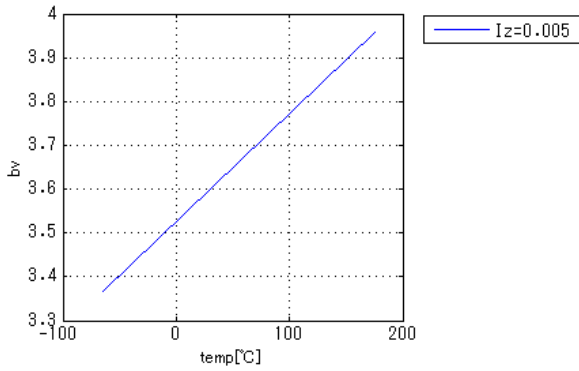


CjVr

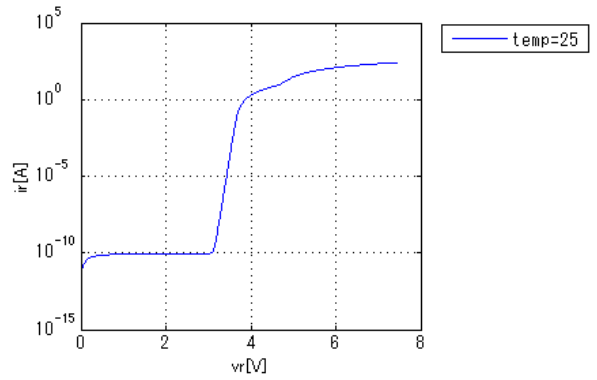
Freq. = 1MHz



BvTemp



IrVr(Breakdown)



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