

PSpice Model

Zener Diode

HITACHI

ZSH5MT40C



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_ZSH5MT40C_PS
Pin Assign 1:A 2:C
File List Model Library MDC_ZSH5MT40C_PS01.lib
 Model Report MDC_ZSH5MT40C_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 N/A
- Product name ZSH5MT40C
- Company name Hitachi Power Semiconductor Device, Ltd.
- Characteristics BvTemp,IrVr(Breakdown)

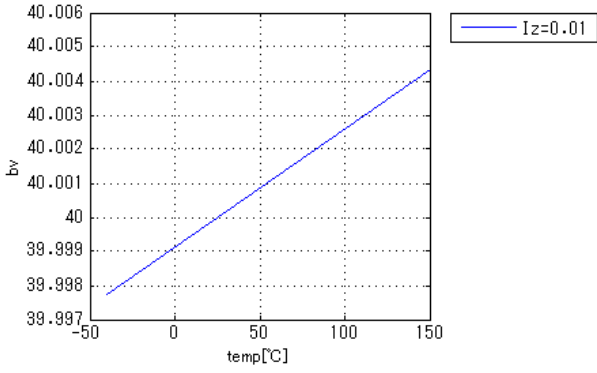
Simulation Range

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

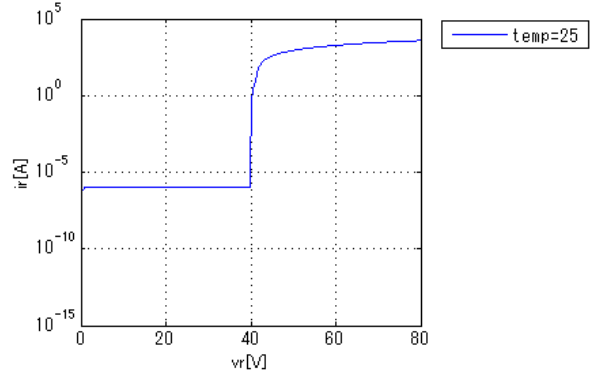
| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 80 | V |
| Temperature | -40 | to | 150 | deg C |

Simulation results are following.
 Explanatory notes — : simulated

BvTemp



IrVr(Breakdown)



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