

PSpice Model Rectifier Diode HITACHI V03E



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_V03E_PS
Pin Assign 1:A 2:C
File List Model Library MDC_V03E_PS01.lib
 Model Report MDC_V03E_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 V03E
- Company name Hitachi Power Semiconductor Device, Ltd.
- Characteristics IfVf[Temp]

Simulation Range

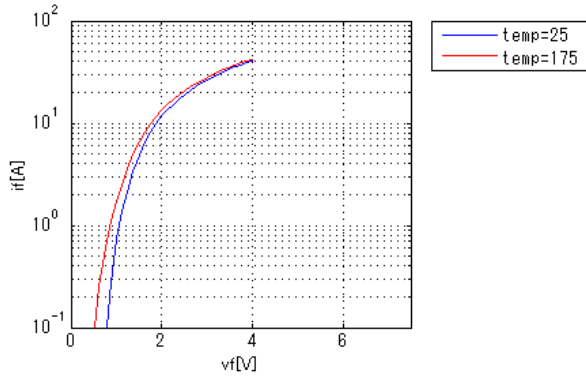
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Forward Voltage | 0 | to | 40 | V |
| Reverse Voltage | 0 | to | 800 | V |
| Temperature | -65 | to | 200 | deg C |

Simulation results are following.

Explanatory notes — : simulated

IfVf[Temp]



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