

PSpice Model

ESD Protection Diode

VISHAY

P6SMB20AHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_P6SMB20AHE3_PS
Pin Assign 1:A 2:C
File List Model Library MDC_P6SMB20AHE3_PS01.lib
 Model Report MDC_P6SMB20AHE3_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]

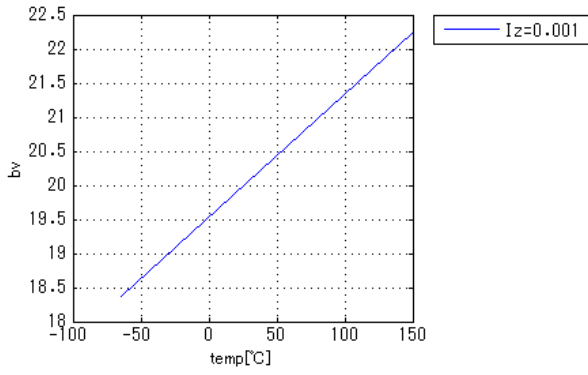
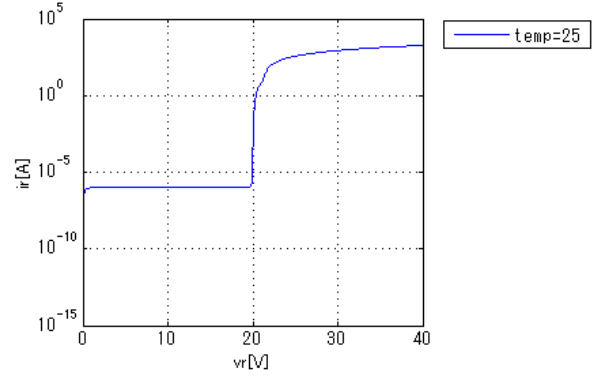
- Date/Version 23-Dec-14
- Product name P6SMB20AHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics BvTemp,IrVr(Breakdown)

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 | 40 | V |
| Temperature | -65 | to | 150 | deg C |

Simulation results are following.
Explanatory notes — : simulated

BvTemp**IrVr(Breakdown)**

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