

LTspice Model

ESD Protection Diode

VISHAY

P4SMA12CAHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_P4SMA12CAHE3_LT
Pin Assign 1:A 2:C
File List Model Library MDC_P4SMA12CAHE3_LT01.lib
 Model Report MDC_P4SMA12CAHE3_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 06-Feb-15
- Product name P4SMA12CAHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics BvTemp,IrVr(Breakdown)

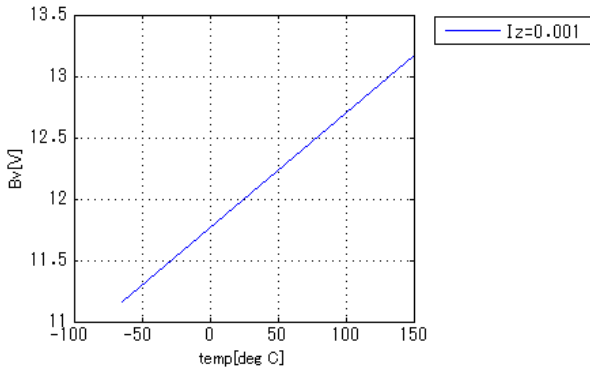
Simulation Range

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

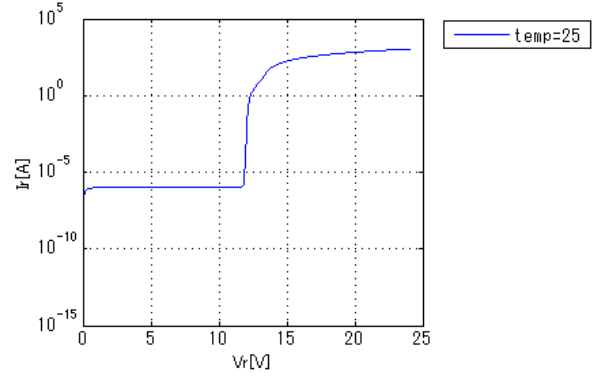
| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 24 | V |
| Temperature | -65 | to | 150 | deg C |

Simulation results are following.
Explanatory notes — : simulated

BvTemp



IrVr(Breakdown)



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