

PSpice Model

ESD Protection Diode

VISHAY

P4SMA510AHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_P4SMA510AHE3_PS
Pin Assign 1:A 2:C
File List Model Library MDC_P4SMA510AHE3_PS01.lib
 Model Report MDC_P4SMA510AHE3_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 06-Feb-15
- Product name P4SMA510AHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics BvTemp,IrVr(Breakdown)

Simulation Range

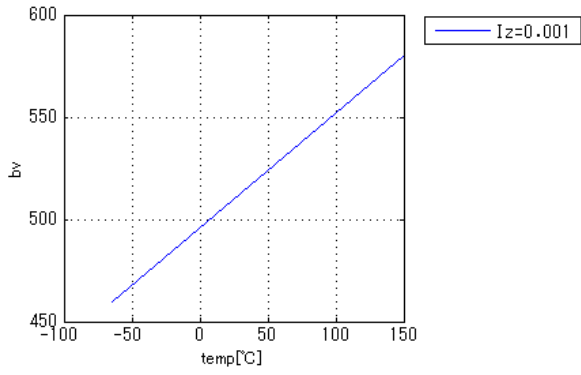
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	1020	V
Temperature	-65	to	150	deg C

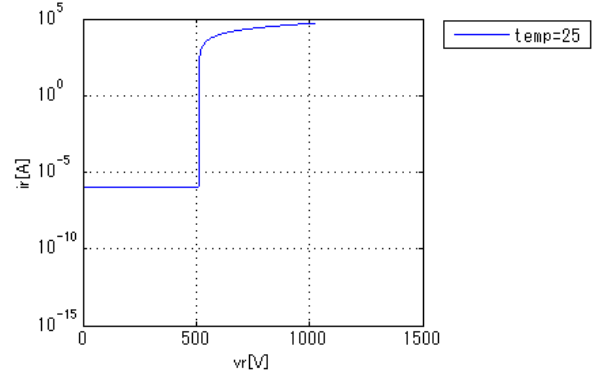
Simulation results are following.

Explanatory notes — : simulated

BvTemp



IrVr(Breakdown)



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