

PSpice Model

ESD Protection Diode

VISHAY

SMBJ100AHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SMBJ100AHE3_PS
Pin Assign 1:A 2:C
File List Model Library MDC_SMBJ100AHE3_PS01.lib
 Model Report MDC_SMBJ100AHE3_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-14
- Product name SMBJ100AHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics IrVr(Breakdown)

Simulation Range

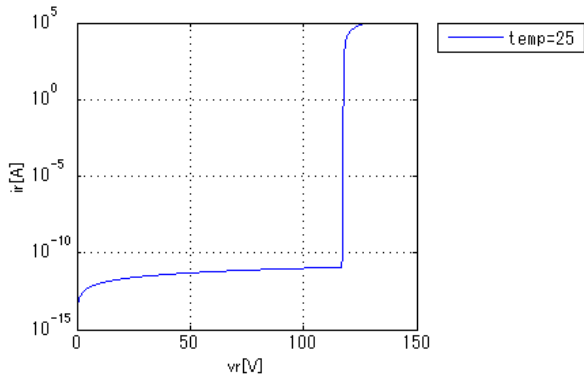
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.	to	Max.	
Reverse Voltage	0	to	234	V
Temperature	-55	to	150	deg C

Simulation results are following.

Explanatory notes — : simulated

IrVr(Breakdown)



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