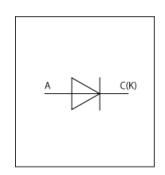


PSpice Model ESD Protection Diode VISHAY 1.5SMC47AHE3



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_1_5SMC47AHE3_PS

Pin Assign 1:A 2:C

File List Model Library MDC_1_5SMC47AHE3_PS01.lib

Model Report MDC_1_5SMC47AHE3_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/VersionProduct name20-Dec-131.5SMC47AHE3

Company nameCharacteristicsVishay Intertechnology, Inc.BvTemp,IrVr(Breakdown)

Simulation Range

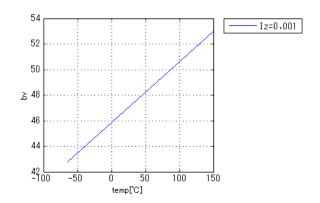
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	94.1	V
Temperature	-65	to	150	deg C

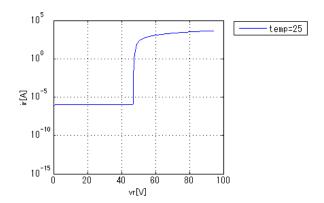


Simulation results are following. Explanatory notes — : simulated

BvTemp



IrVr(Breakdown)





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MoDeCH Inc.

Head Office

Location: Mitsuiseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:http://www.modech.com/en/