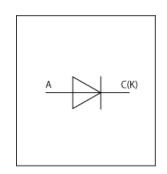


PSpice Model ESD Protection Diode VISHAY SMC3K51CAHM3



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_SMC3K51CAHM3_PS

Pin Assign 1:A 2:C

File List Model Library MDC_SMC3K51CAHM3_PS01.lib

Model Report MDC_SMC3K51CAHM3_PS.pdf (this file)

Verified Simulator Version

Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version 22-Sep-14

Product name SMC3K51CAHM3

Company name Vishay Intertechnology, Inc.

Characteristics IrVr(Breakdown)

Simulation Range

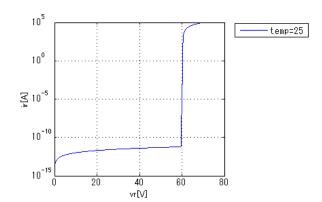
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	119.4	V
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

IrVr(Breakdown)





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