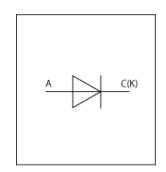


LTspice Model ESD Protection Diode VISHAY SMCJ45CAHE3



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_SMCJ45CAHE3_LT

Pin Assign 1:A 2:C

File List Model Library MDC_SMCJ45CAHE3_LT01.lib

Model Report MDC_SMCJ45CAHE3_LT.pdf (this file)

Verified Simulator Version

Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version 10-Dec-13Product name SMCJ45CAHE3

Company name Vishay Intertechnology, Inc.

Characteristics IrVr(Breakdown)

Simulation Range

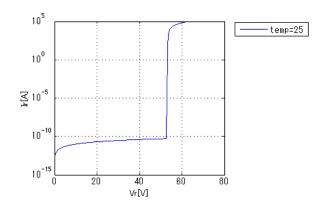
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	105	V
Temperature	-55	to	150	deg C



Simulation results are following. Explanatory notes — : simulated

IrVr(Breakdown)





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