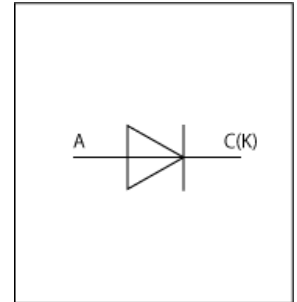


PSpice Model

ESD Protection Diode

VISHAY

SMA5J18CAHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SMA5J18CAHE3_PS
Pin Assign 1:A 2:C
File List Model Library MDC_SMA5J18CAHE3_PS01.lib
 Model Report MDC_SMA5J18CAHE3_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 13-Dec-13
- Product name SMA5J18CAHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics IrVr(Breakdown)

Simulation Range

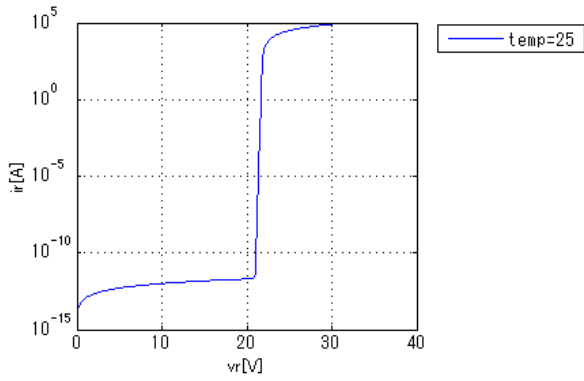
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.	to	Max.	
Reverse Voltage	0	to	42.1	V
Temperature	-55	to	150	deg C

Simulation results are following.

Explanatory notes — : simulated

IrVr(Breakdown)



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