

PSpice Model ESD Protection Diode VISHAY TPSMA20AHE3

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_TPSMA20AHE3_PS

 Pin Assign
 1:A 2:C

 File List
 Model Library
 MDC_TPSMA20AHE3_PS01.lib

 Model Report
 MDC_TPSMA20AHE3_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

Company name

Characteristics

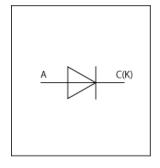
[Data Sheet] • Date/Version • Product name

25-Apr-14 TPSMA20AHE3 Vishay Intertechnology, Inc. IrVr(Breakdown)

Simulation Range

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

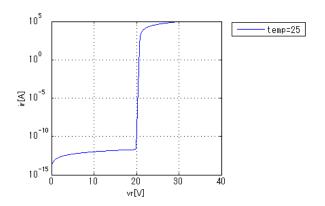
| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 40 | V |
| Temperature | -65 | to | 185 | deg C |





Simulation results are following. Explanatory notes -: simulated

IrVr(Breakdown)





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