

LTspice Model

ESD Protection Diode

VISHAY

SMB10J18AHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SMB10J18AHE3_LT
Pin Assign 1:A 2:C
File List Model Library MDC_SMB10J18AHE3_LT01.lib
 Model Report MDC_SMB10J18AHE3_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 15-Feb-16
- Product name SMB10J18AHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics IrVr(Breakdown)

Simulation Range

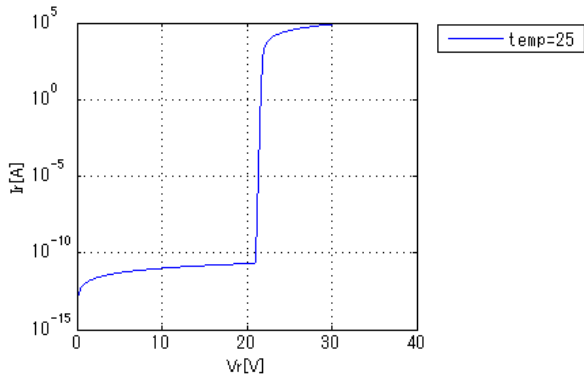
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 42 | V |
| Temperature | -55 | to | 150 | deg C |

Simulation results are following.

Explanatory notes — : simulated

IrVr(Breakdown)



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