

LTspice Model ESD Protection Diode VISHAY SMBJ3V3HE3

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_SMBJ3V3HE3_LT

 Pin Assign
 1:A 2:C

 File List
 Model Library
 MDC_SMBJ3V3HE3_LT01.lib

 Model Report
 MDC_SMBJ3V3HE3_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 • Product name • Company name

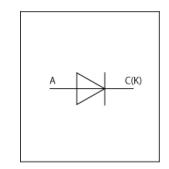
Characteristics

13-Dec-13 SMBJ3V3HE3 Vishay Intertechnology, Inc. IfVf[Temp],CjVr,BvTemp,IrVr(Breakdown)

Simulation Range

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

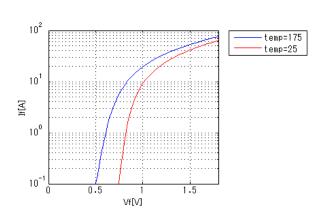
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	18	V
Reverse Voltage	0	to	8	V
Temperature	-65	to	175	deg C



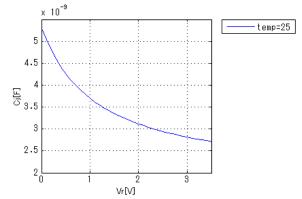


Simulation results are following. Explanatory notes -: simulated

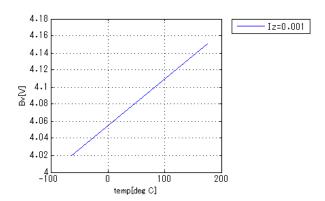
lfVf[Temp]



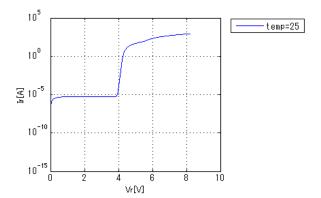
CjVr Freq. = 1MHz



BvTemp



IrVr(Breakdown)





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