

LTspice Model

Zener Diode

SEMTECH

MM3Z4V7B



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_MM3Z4V7B_LT
Pin Assign 1:A 2:C
File List Model Library MDC_MM3Z4V7B_LT01.lib
 Model Report MDC_MM3Z4V7B_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 12/06/2009
- Product name MM3Z4V7B
- Company name SEMTECH ELECTRONICS LTD.
- Characteristics IfVf[Temp],Irvr(Breakdown)

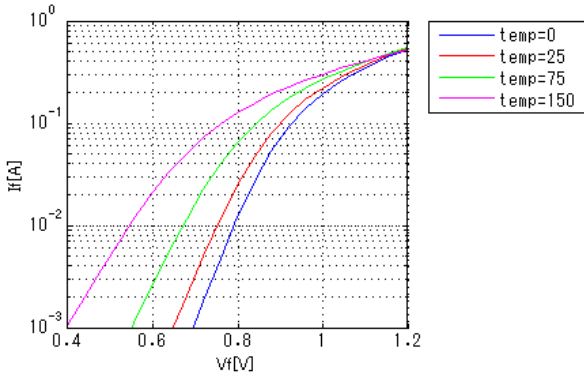
Simulation Range

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

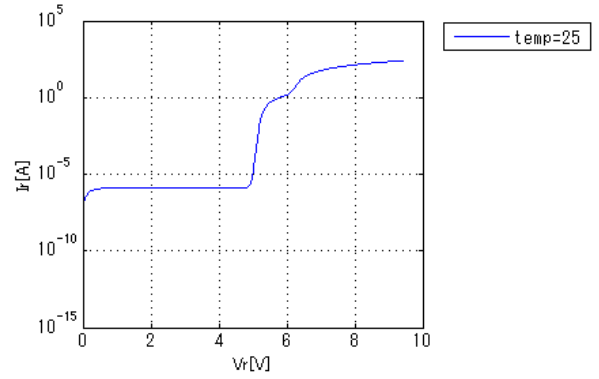
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12	V
Reverse Voltage	0	to	9	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]



IrVr(Breakdown)



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