

LTspice Model

Zener Diode

SanKen

SZ-10NN40



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SZ-10NN40_LT
Pin Assign 1:A 2:C
File List Model Library MDC_SZ-10NN40_LT01.lib
 Model Report MDC_SZ-10NN40_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 Rev.1.0 2015.10.16
- Product name SZ-10NN40
- Company name SanKen Electric Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp],BvTemp,Irvr(Breakdown)

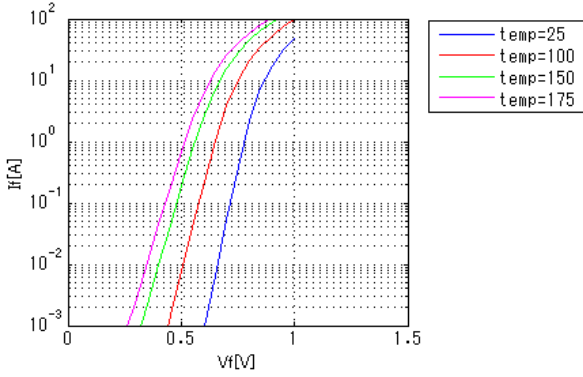
Simulation Range

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

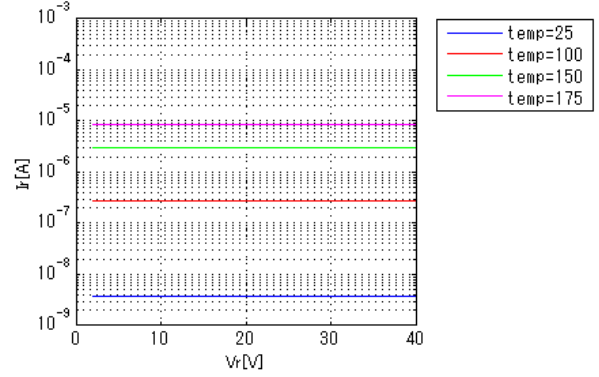
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	80	V
Temperature	-55	to	175	deg C

Simulation results are following.
 Explanatory notes — : simulated

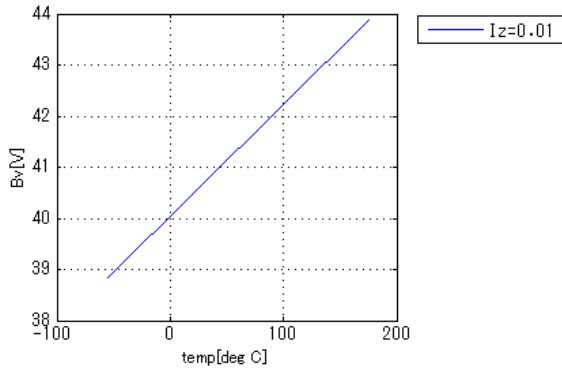
IfVf[Temp]



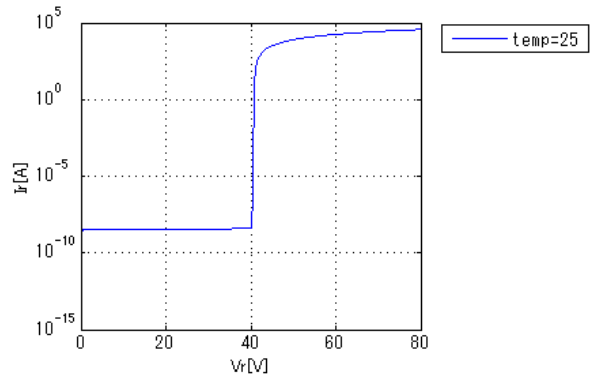
IrVr[Temp]



BvTemp



IrVr(Breakdown)



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