

LTspice Model

Zener Diode

SanKen

SJPZ-E20VR



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SJPZ-E20VR_LT
Pin Assign 1:C 2:A
File List Model Library MDC_SJPZ-E20VR_LT02.lib
 Model Report MDC_SJPZ-E20VR_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 2009.04
- Product name SJPZ-E20VR
- Company name SanKen Electric Co., Ltd.
- Characteristics IrVr[Temp],BvTemp,IrVr(Breakdown)

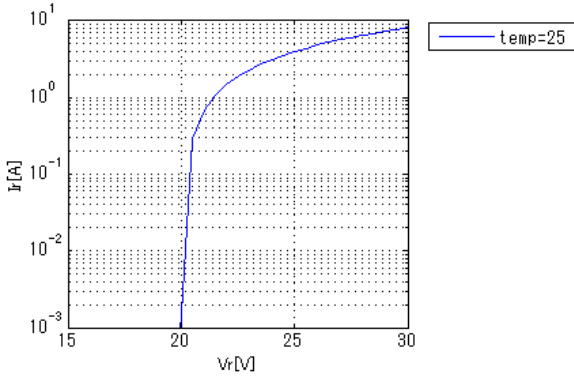
Simulation Range

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

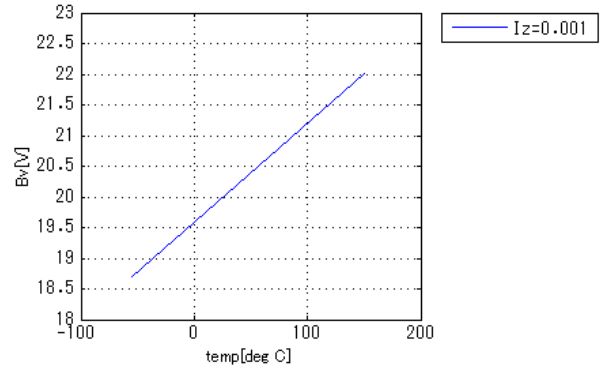
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	40	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

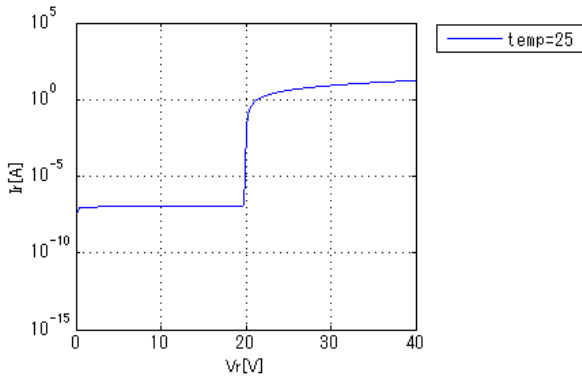
IrVr[Temp]



BvTemp



IrVr(Breakdown)



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