

LTspice Model Zener Diode SanKen SJPZ-N33

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_SJPZ-N33_LT

 Pin Assign
 1:C 2:A

 File List
 Model Library
 MDC_SJPZ-N33_LT02.lib

 Model Report
 MDC_SJPZ-N33_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

References

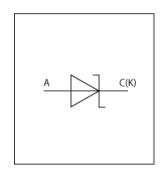
The information which was used for modeling is as follow:

Rev.1.5 2021.03.09 SJPZ-N33 Sanken Electric Co., Ltd. IfVf[Temp],IrVr[Temp],VrIr[Temp],BvTemp

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



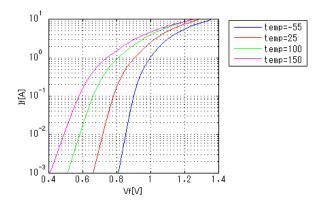


Diode		O : Implemented × : Not Implemented	
Model Functions Table	RANK=1	— : Not applicable	
Functions	RANK	Implemented	
IF-VF(Temp)	1	0	
IR-VR(Temp)	1	0	
Capacitance	1	—	
Reverse recovery characteristics	1	—	
Rectification characteristics(Bridge)	1	—	
Surge voltage-Transient	2	—	

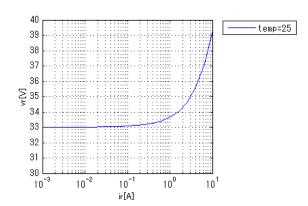


Simulation results are following. Explanatory notes -: simulated

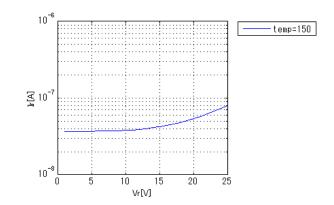
lfVf[Temp]



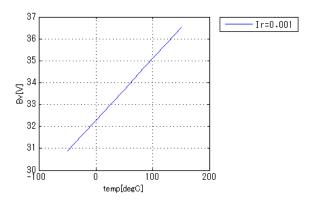
Vrlr[Temp]



IrVr[Temp]



BvTemp





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