

PSpice Model

Zener Diode

SanKen

SHV-05J



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SHV-05J_PS
Pin Assign 1:A 2:C
File List Model Library MDC_SHV-05J_PS02.lib
 Model Report MDC_SHV-05J_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 1999/09/28
- Product name SHV-05J
- Company name Sanken Electric Co., Ltd.
- Characteristics IfVf[Temp],BvTemp,IrVr(Breakdown)

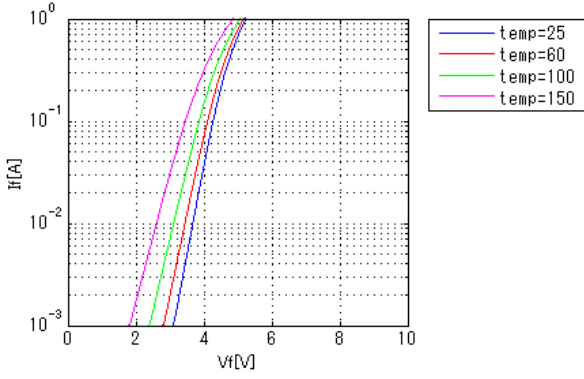
Simulation Range

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

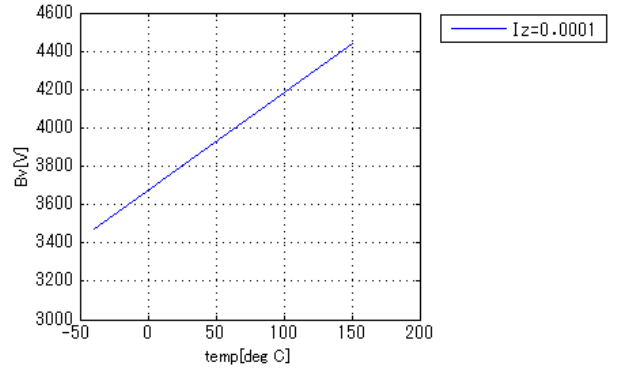
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	60	V
Reverse Voltage	0	to	7,600	V
Temperature	-40	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

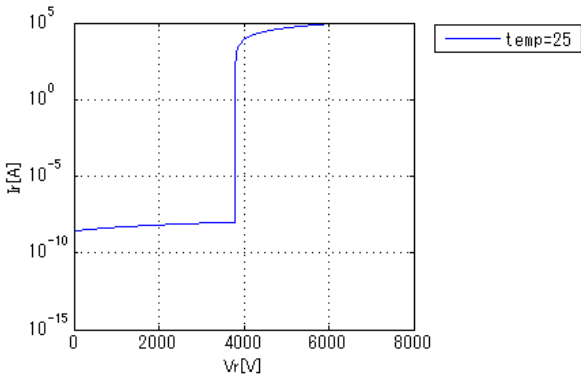
IfVf[Temp]



BvTemp



IrVr(Breakdown)



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