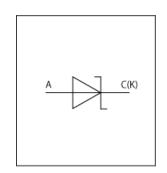


PSpice Model Zener Diode SHINDENGEN ST70-27MF



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_ST70-27MF_PS

Pin Assign 1:A 2:C

File List Model Library MDC_ST70-27MF_PS01.lib

Model Report MDC_ST70-27MF_PS.pdf (this file)

Verified Simulator Version

Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version N/A

Product name ST70-27MF

Company name Shindengen Electric Manufacturing Co., Ltd.

Characteristics CjVr,BvTemp,IrVr(Breakdown)

Simulation Range

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

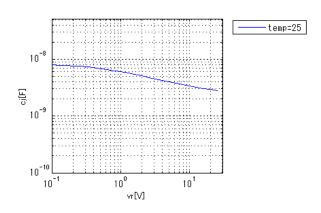
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	54	V
Temperature	-40	to	150	deg C



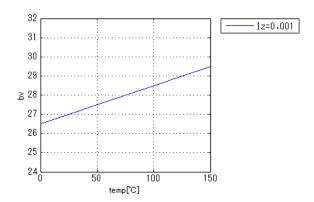
Simulation results are following. Explanatory notes — : simulated

CjVr

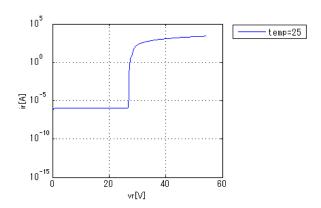
Freq. = 1MHz



BvTemp



IrVr(Breakdown)





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