

PSpice Model

Zener Diode

SHINDENGEN

ST02-18G1



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_ST02-18G1_PS
Pin Assign 1:A 2:C
File List Model Library MDC_ST02-18G1_PS01.lib
 Model Report MDC_ST02-18G1_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 2015.09
- Product name ST02-18G1
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics CjVr,IrVr(Breakdown)

Simulation Range

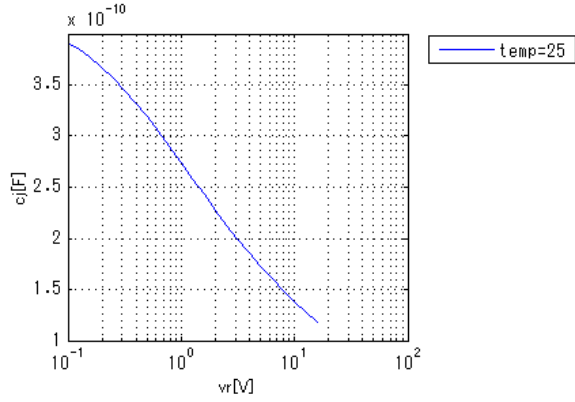
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Reverse Voltage | 0 | to | 36 | V |
| Temperature | -55 | to | 150 | deg C |

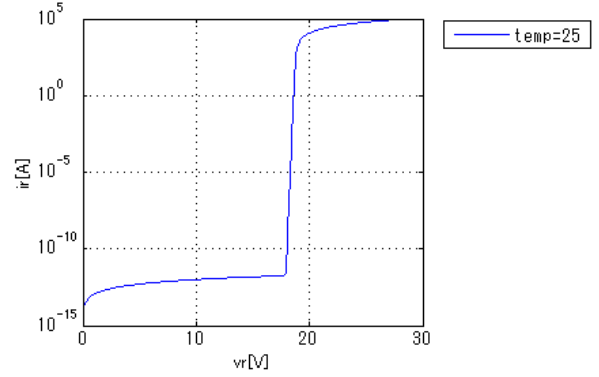
Simulation results are following.
 Explanatory notes — : simulated

CjVr

Freq. = 1MHz



IrVr(Breakdown)



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