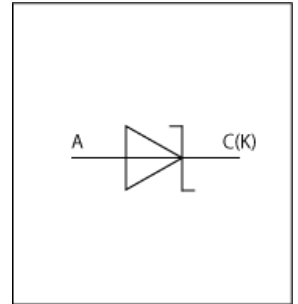


LTspice Model

Zener Diode

ROHM

PDZVTR6.2B



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_PDZVTR6_2B_LT
Pin Assign 1:C 2:A
File List Model Library MDC_PDZVTR6_2B_LT01.lib
 Model Report MDC_PDZVTR6_2B_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 2019/04/23_Rev005
- Product name PDZVTR6.2B
- Company name ROHM Co., Ltd.
- Characteristics IfVf[Temp],IrVr[Temp],IrVr02[Temp],CjVr

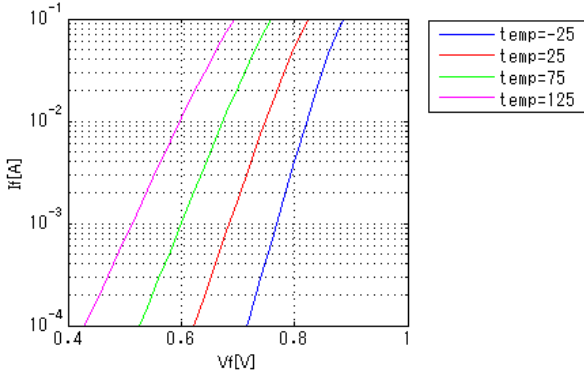
Simulation Range

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

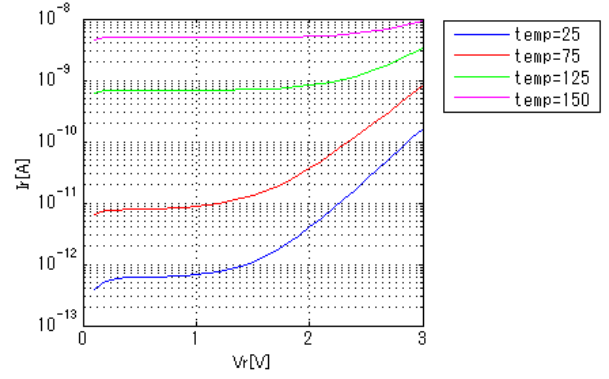
| Item | Range | | | Unit |
|-----------------|-------|----|------|-------|
| | Min. | | Max. | |
| Forward Voltage | 0 | to | 10 | V |
| Reverse Voltage | 0 | to | 13 | V |
| Temperature | -55 | to | 150 | deg C |

Simulation results are following.
 Explanatory notes — : simulated

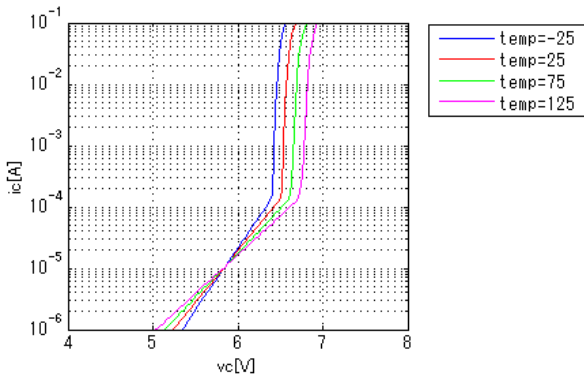
IfVf[Temp]



IrVr[Temp]

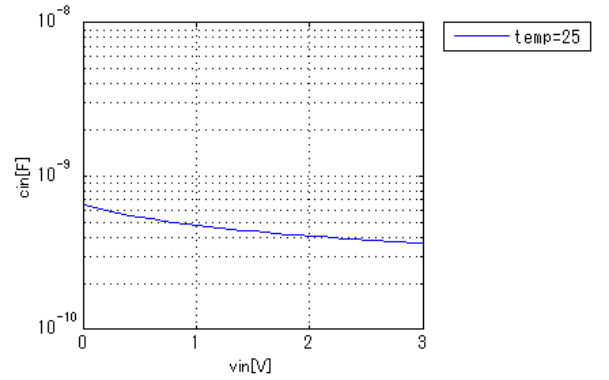


IrVr02[Temp]



CjVr

Freq. = 1MHz



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