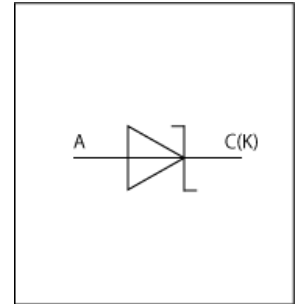


PSpice Model

Zener Diode

ROHM

EDZVFHT2R18B



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_EDZVFHT2R18B_PS
Pin Assign 1:C 2:A
File List Model Library MDC_EDZVFHT2R18B_PS01.lib
 Model Report MDC_EDZVFHT2R18B_PS.pdf (this file)

Verified Simulator Version PSpice version 17.2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2017/01/16_Rev.002
- Product name EDZVFHT2R18B
- Company name ROHM Co., Ltd.
- Characteristics IrVr[Temp],IrVr02[Temp],CjVr,IfVf[Temp]

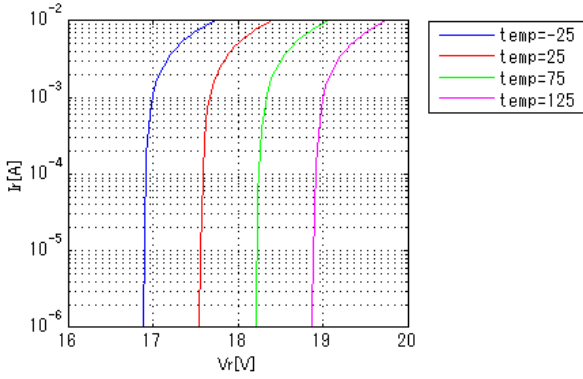
Simulation Range

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

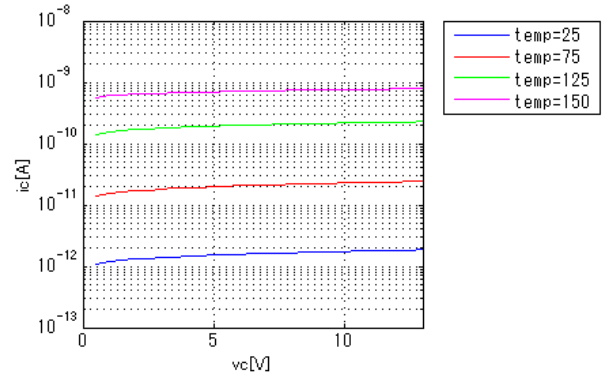
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	36	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IrVr[Temp]

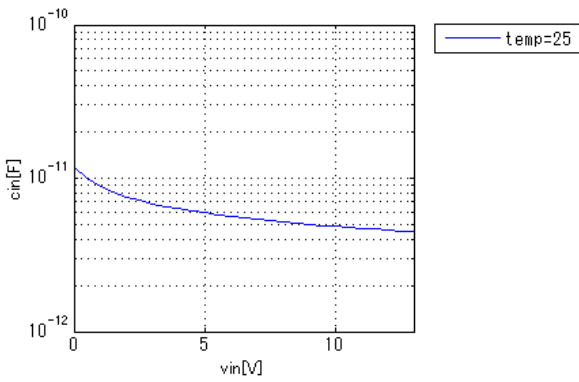


IrVr02[Temp]

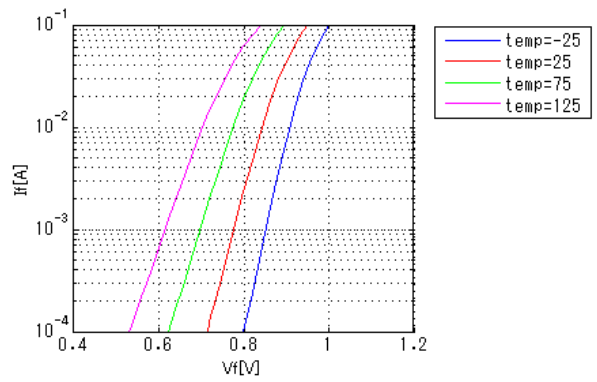


CjVr

Freq. = 1MHz



IfVf[Temp]



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