

LTspice Model Rectifier Diode VISHAY S2JHE3



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_S2JHE3_LT
Pin Assign 1:A 2:C
File List Model Library MDC_S2JHE3_LT01.lib
 Model Report MDC_S2JHE3_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 27-Jul-15
- Product name S2JHE3
- Company name Vishay Intertechnology, Inc.
- Characteristics IfVf[Temp],Irvr[Temp],CjVr

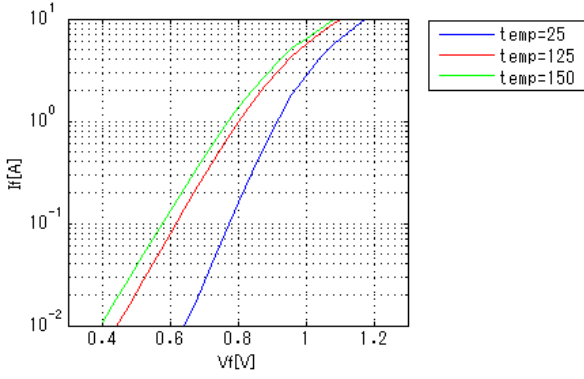
Simulation Range

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

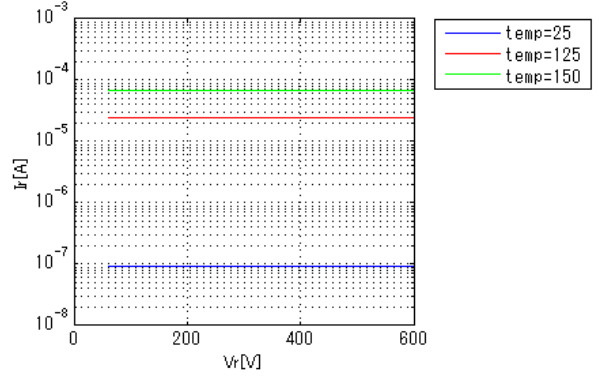
| Item | Range | | | Unit |
|-----------------|-------|----|-------|-------|
| | Min. | | Max. | |
| Forward Voltage | 0 | to | 12 | V |
| Reverse Voltage | 0 | to | 1,200 | V |
| Temperature | -55 | to | 150 | deg C |

Simulation results are following.
 Explanatory notes — : simulated

IfVr[Temp]

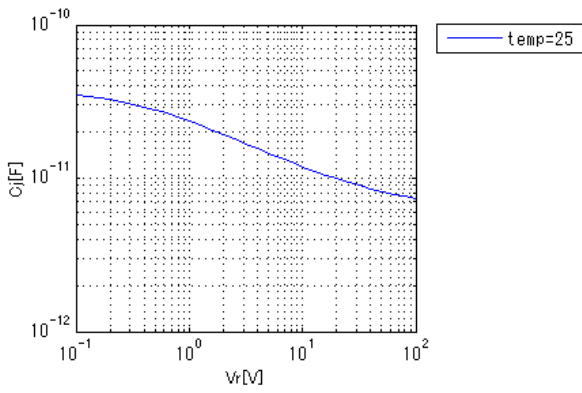


IrVr[Temp]



CjVr

Freq. = 1MHz



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MoDeCH Inc.

Head Office

Location: Mitsuseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:<http://www.modech.com/en/>