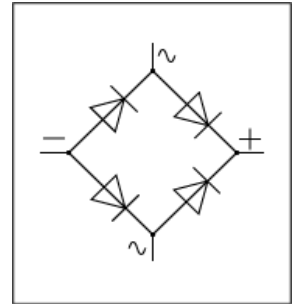


LTspice Model

Bridge Diode

YT

YBS2010-F1-Z0245HF



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_YBS2010-F1-Z0245HF_LT
Pin Assign 1:In1 2:In2 3:Out- 4:Out+
File List Model Library MDC_YBS2010-F1-Z0245HF_LT01.lib
 Model Report MDC_YBS2010-F1-Z0245HF_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 Rev. 2.1
- Product name YBS2010-F1-Z0245HF
- Company name Yangjie Electronic Technology Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp],Rectification

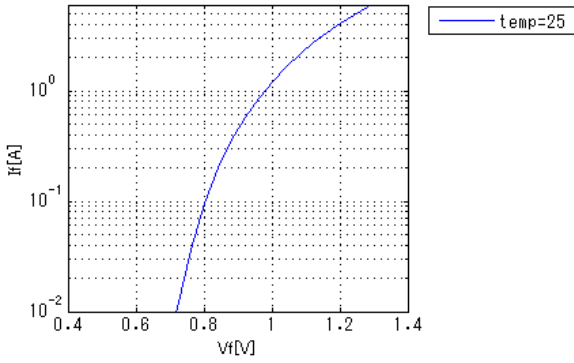
Simulation Range

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

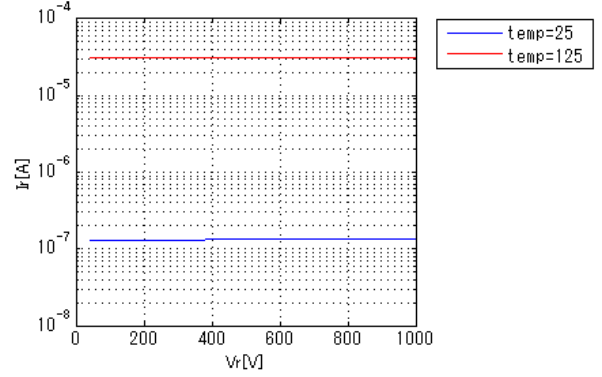
| Item | Range | | | Unit |
|-----------------|-------|----|-------|-------|
| | Min. | | Max. | |
| Forward Voltage | 0 | to | 14 | V |
| Reverse Voltage | 0 | to | 2,000 | V |
| Temperature | -55 | to | 150 | deg C |

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

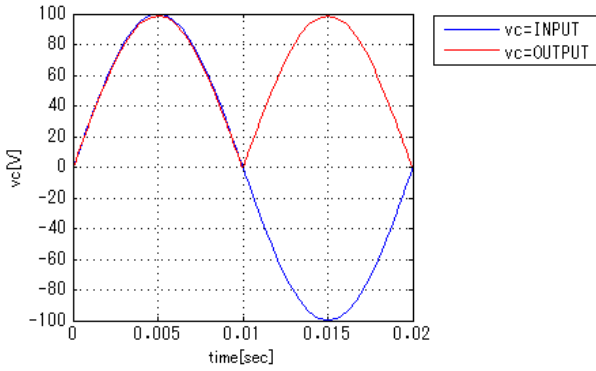


IrVr[Temp]



Rectification

Freq. = 50Hz



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