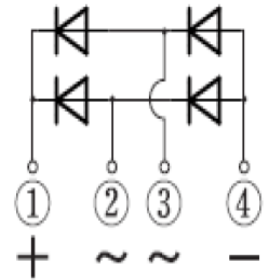


LTspice Model

Bridge Diode

SHINDENGEN

LL15XB60



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_LL15XB60_LT
Pin Assign 1:① 2:② 3:③ 4:④
File List Model Library MDC_LL15XB60_LT01.lib
 Model Report MDC_LL15XB60_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.01(2020.01)
- Product name LL15XB60
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics IfVf[Temp],IrVr[Temp],TrrIfIr,TrrWaveform,BridgeWaveform

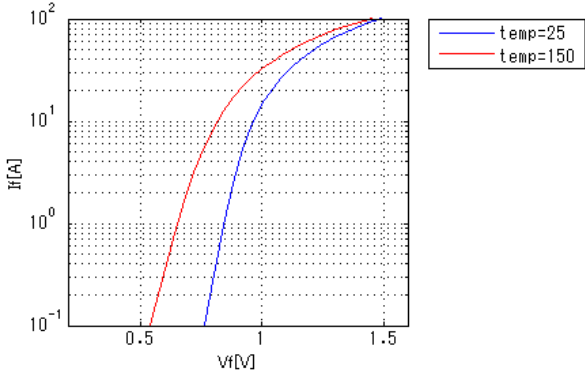
Simulation Range

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

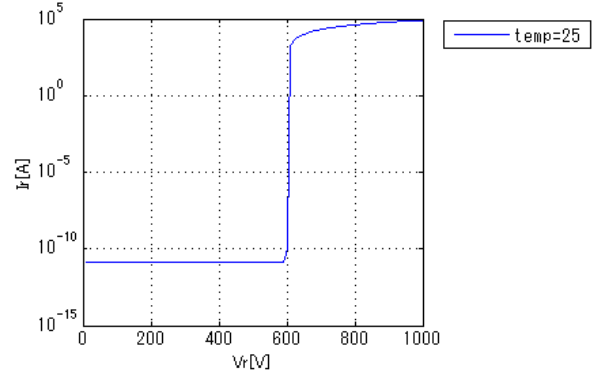
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	600	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

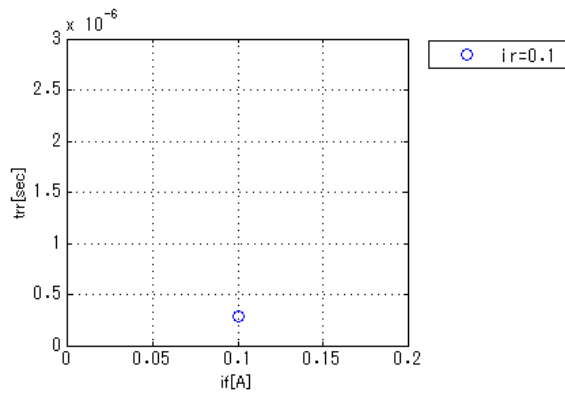
IfVf[Temp]



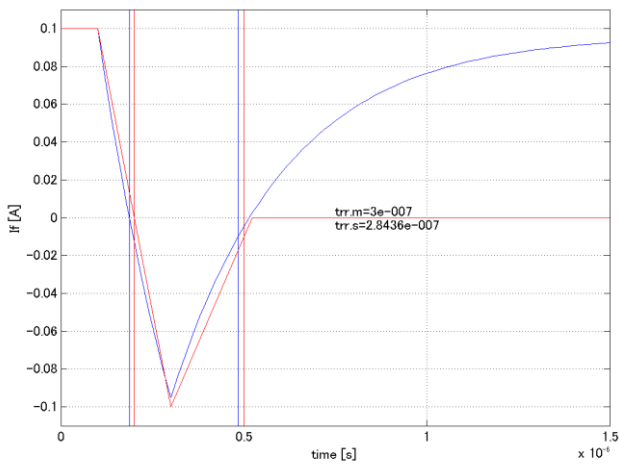
IrVr[Temp]



TrrIfIr

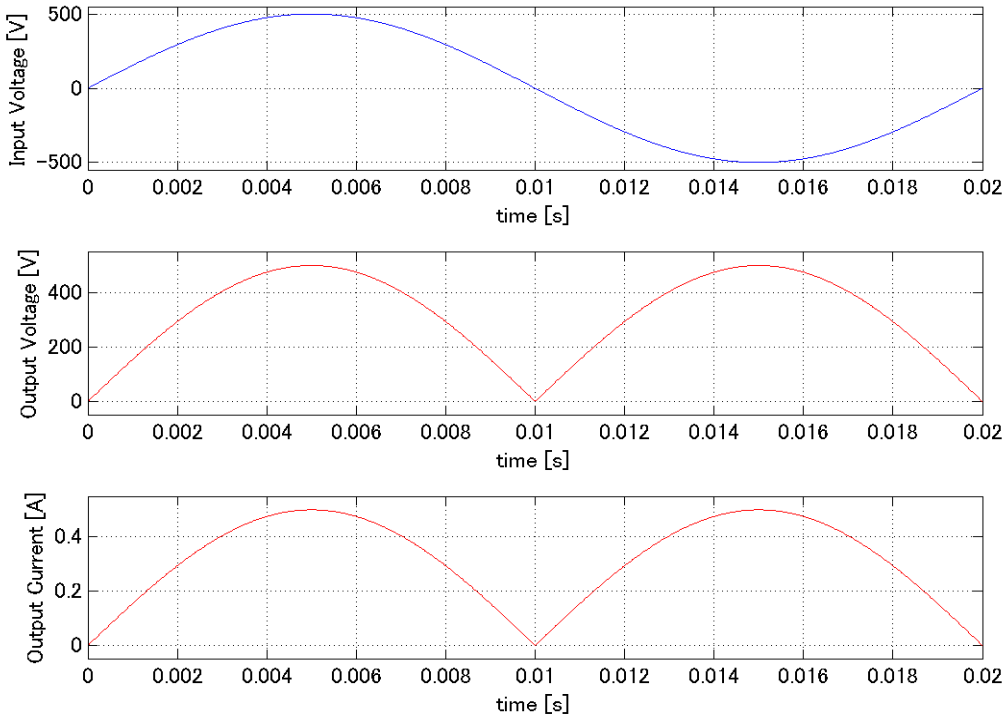


Trr Waveform



Simulation results are following.
Explanatory notes — : simulated

Bridge Waveform



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