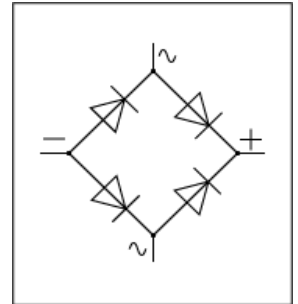


LTspice Model

Bridge Diode

SHINDENGEN

D2SB60A



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_D2SB60A_LT
Pin Assign 1:Out+ 2:In1 3:In2 4:Out-
File List Model Library MDC_D2SB60A_LT01.lib
 Model Report MDC_D2SB60A_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 D2SB60A
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp],BridgeWaveform,SurgeForward

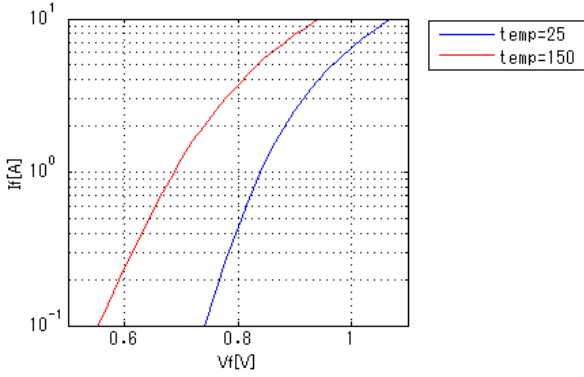
Simulation Range

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

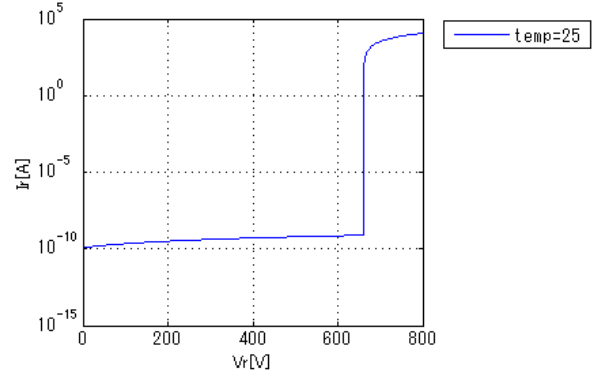
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	600	V
Temperature	-40	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

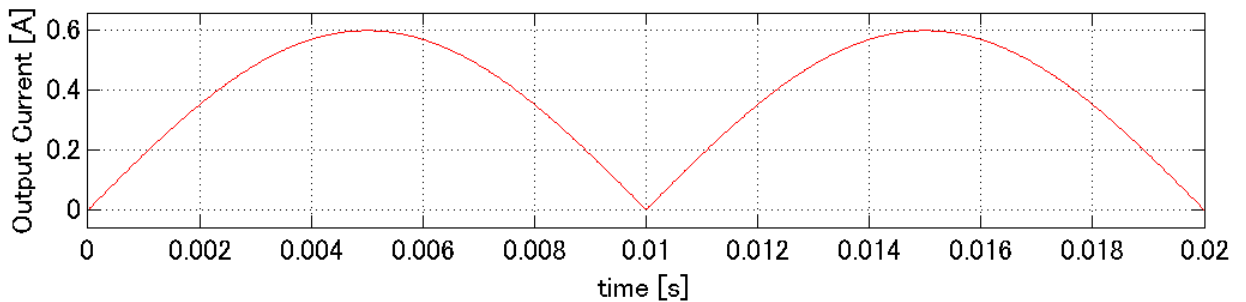
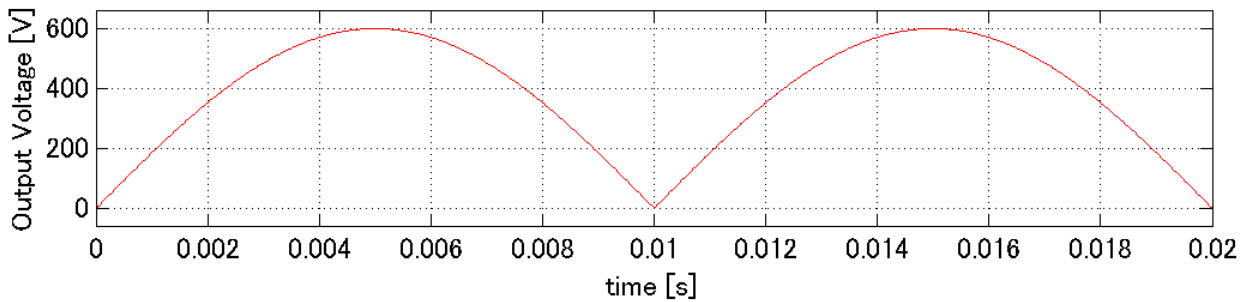
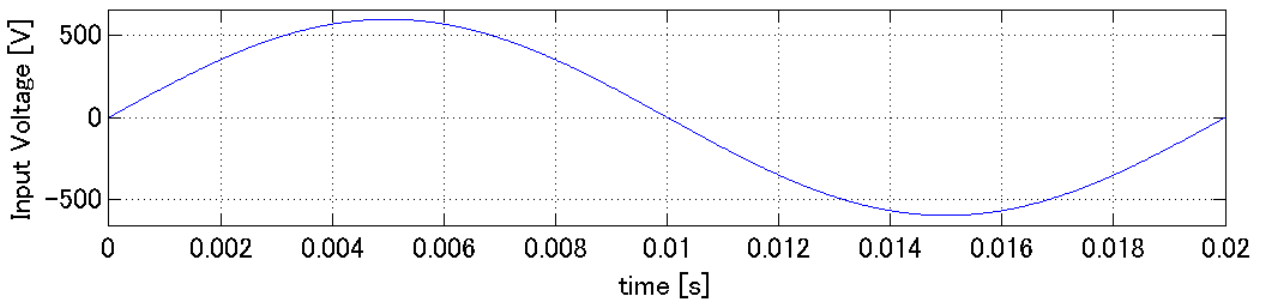
IfVf[Temp]



IrVr[Temp]



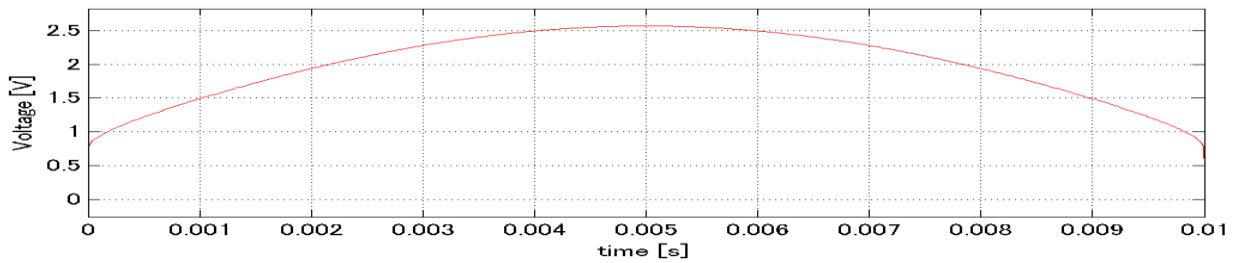
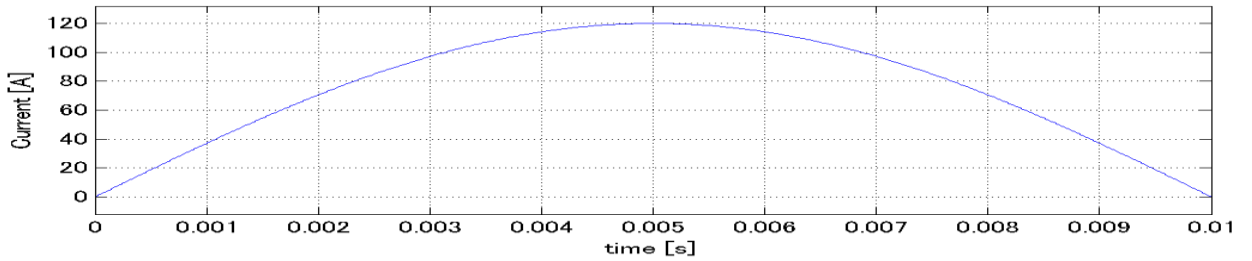
Bridge Waveform



Simulation results are following.
Explanatory notes — : simulated

Surge Forward

50Hz Half Sine Wave



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