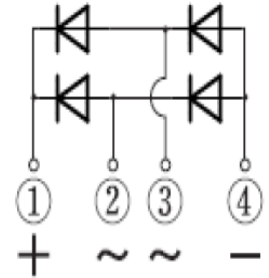


# ADS Model

## Bridge Diode

### SHINDENGEN

### LL15XB60



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_LL15XB60\_AD  
**Pin Assign** 1:① 2:② 3:③ 4:④  
**File List** Model Library MDC\_LL15XB60\_AD.zip  
 Model Report MDC\_LL15XB60\_AD.pdf (this file)

**Verified Simulator Version** ADS 2020 Update 2  
**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

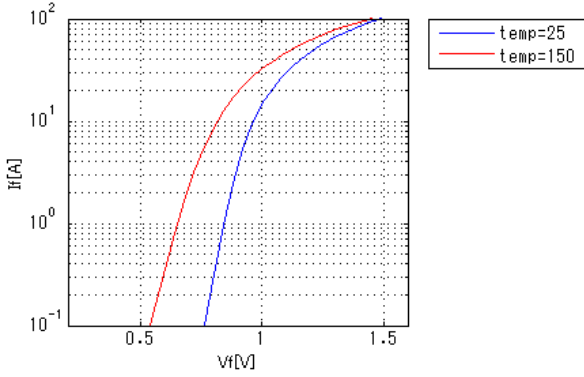
### Simulation Range

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

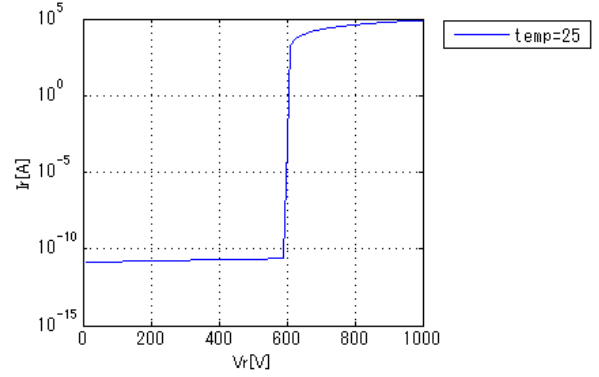
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	600	V
Temperature	-55	to	150	deg C

Simulation results are following.  
 Explanatory notes — : simulated

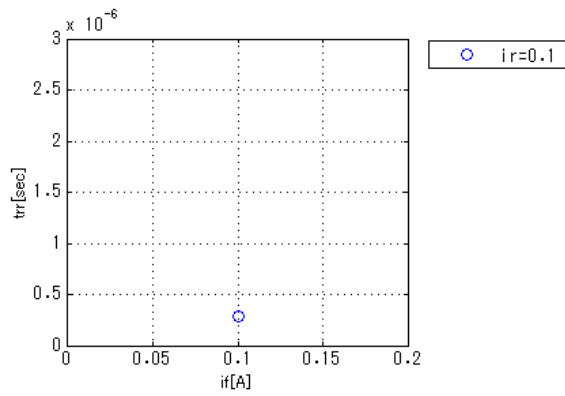
**IfVf[Temp]**



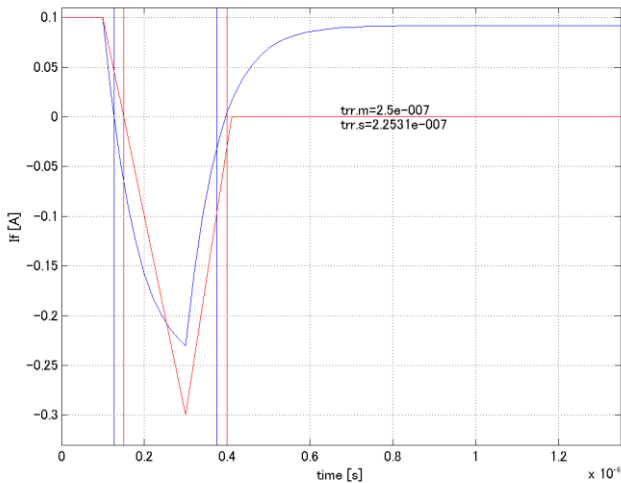
**IrVr[Temp]**



**TrrIfIr**

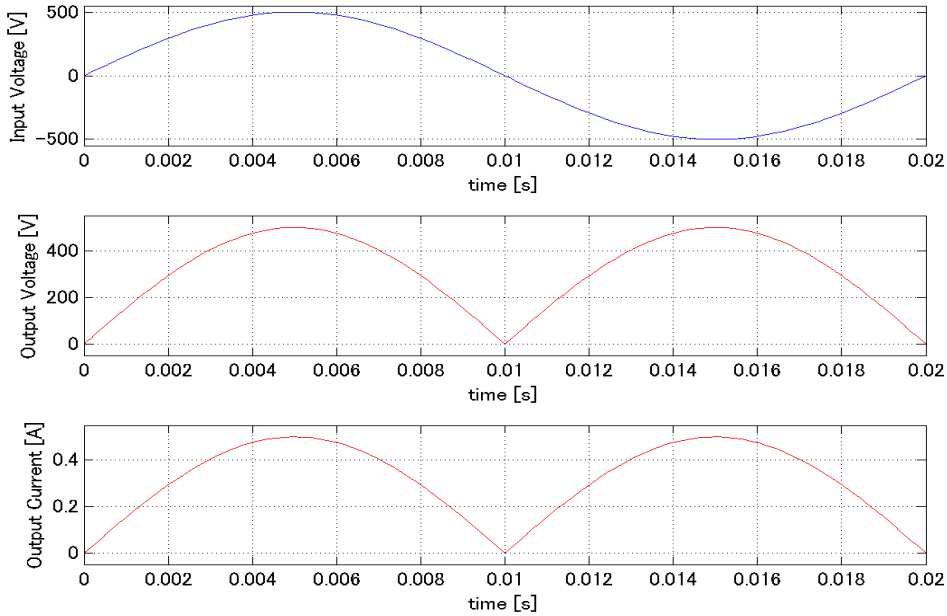


**Trr Waveform**



Simulation results are following.  
Explanatory notes — : simulated

### Bridge Waveform



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