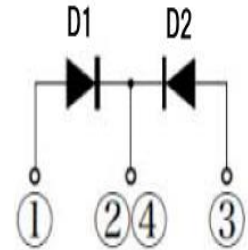


LTspice Model Schottky Diode SHINDENGEN S30SC4MT



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_S30SC4MT_LT
Pin Assign 1:A(D1) 2:C(D1),C(D2) 3:A(D2) 4:C(D1),C(D2)
File List Model Library MDC_S30SC4MT_LT01.lib
 Model Report MDC_S30SC4MT_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 J533-1
- Product name S30SC4MT
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics IfVf[Temp],IrVr[Temp],CjVr,SurgeWaveform

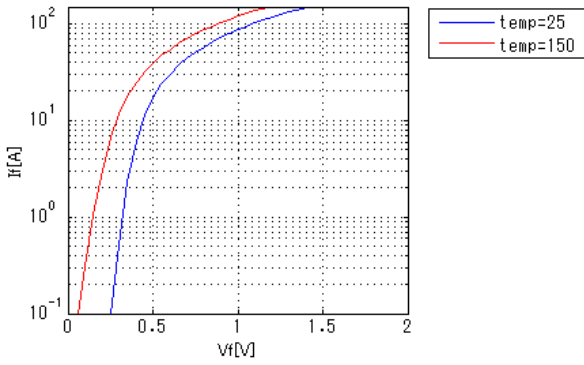
Simulation Range

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

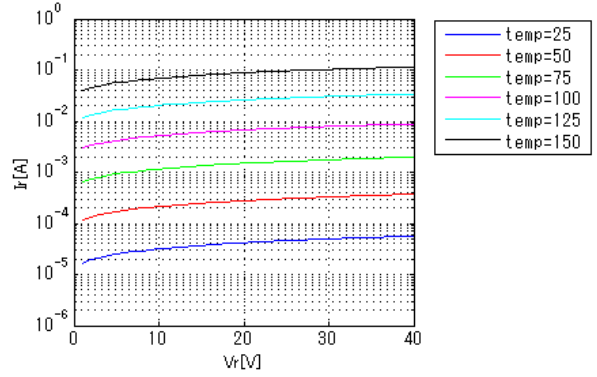
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	45	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

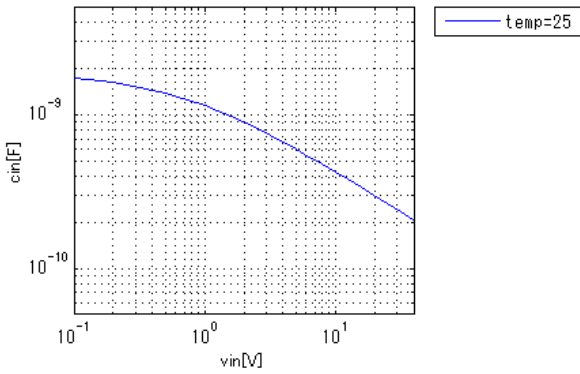


IrVr[Temp]

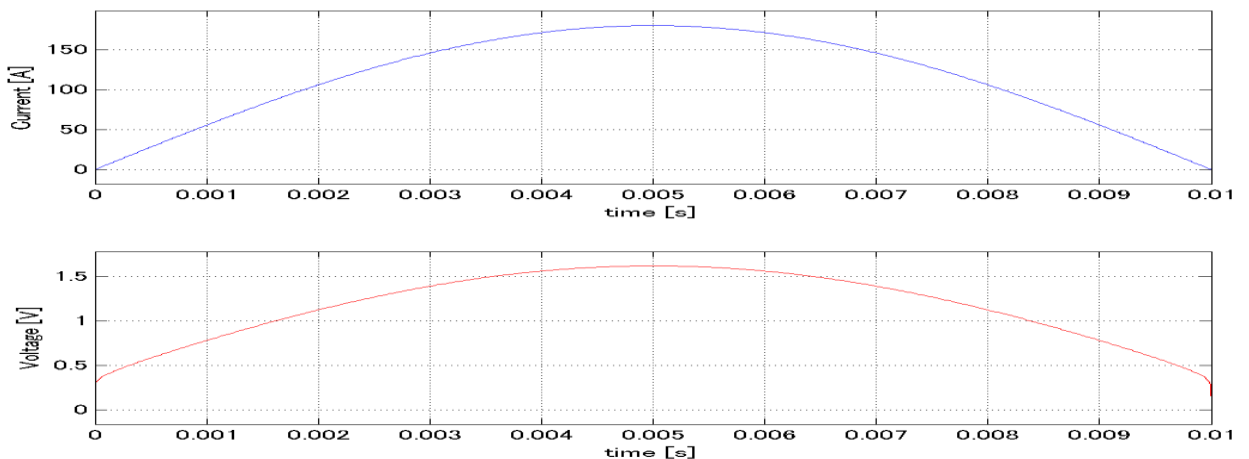


CjVr

Freq. = 1MHz



Surge Waveform (Forward)



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