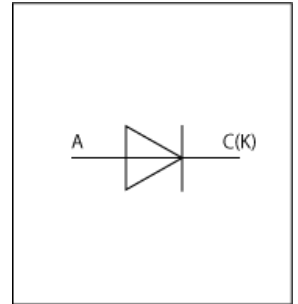


LTspice Model Rectifier Diode Good-Ark 1G7



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_1G7_LT
Pin Assign 1:A 2:C
File List Model Library MDC_1G7_LT01.lib
 Model Report MDC_1G7_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 Unknown
- Product name 1G7
- Company name Suzhou Good-Ark Electronics Co. Ltd.
- Characteristics CjVr,I_fV_f[Temp],I_rV_r[Temp],SurgeWaveform

Simulation Range

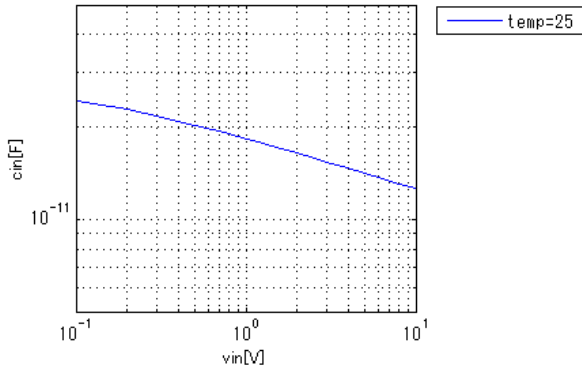
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Current	0	to	1	A
Reverse Voltage	0	to	1,000	V
Temperature	-55	to	150	deg C

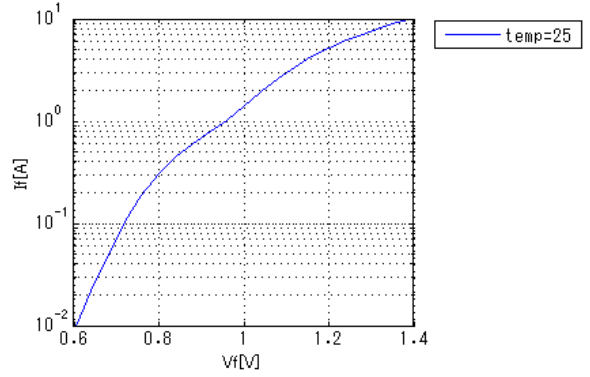
Simulation results are following.
 Explanatory notes — : simulated

CjVr

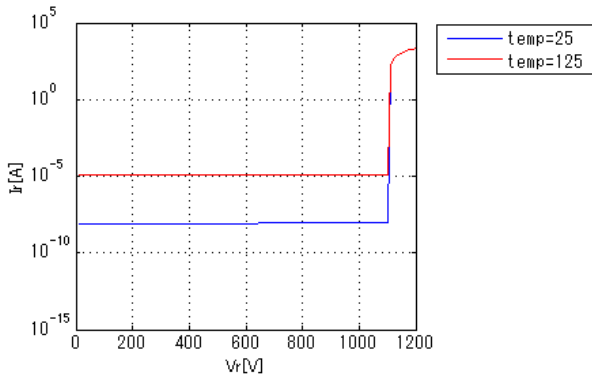
Freq. = 1MHz



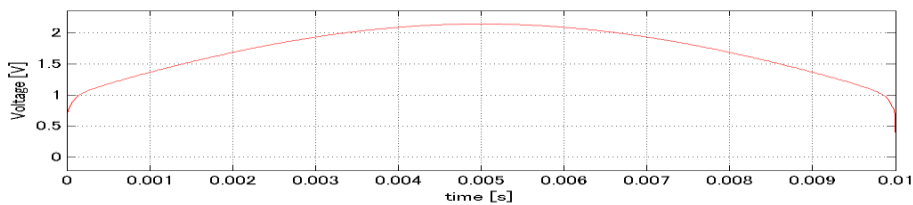
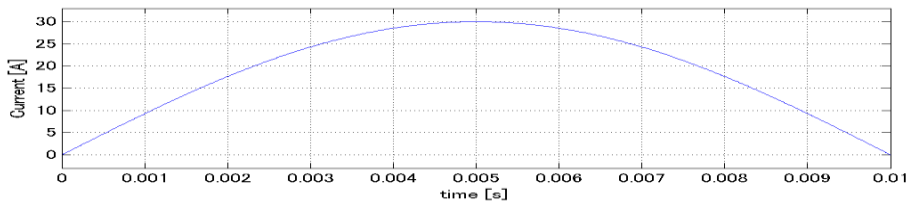
IfVf[Temp]



IrVr[Temp]



Surge Waveform



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