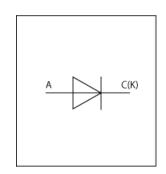


LTspice Model Fast Recovery Diode SHINDENGEN D1NK60



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_D1NK60_LT

Pin Assign 1:C 2:A

File List Model Library MDC_D1NK60_LT01.lib

Model Report MDC_D1NK60_LT.pdf (this file)

Verified Simulator Version

Note

LTspice version XVII

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/VersionProduct nameJ533-1D1NK60

Company name Shindengen Electric Manufacturing Co., Ltd.

Characteristics IfVf[Temp],IrVr[Temp],CjVr,Trr,TrrWaveform,SurgeWavefor

m

Simulation Range

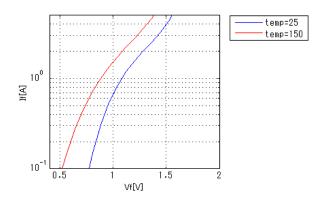
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	20	V
Reverse Voltage	0	to	1,200	V
Temperature	-55	to	150	deg C

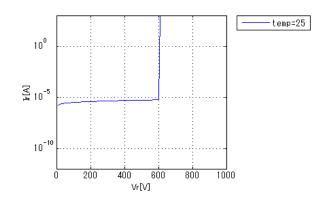


Simulation results are following. Explanatory notes — : simulated

IfVf[Temp]

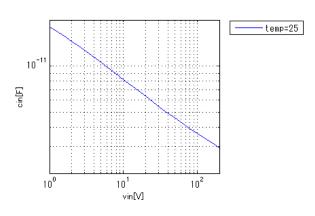


IrVr[Temp]

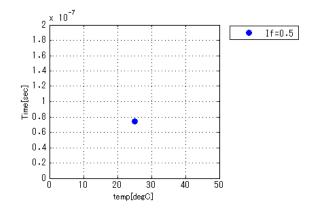


CjVr

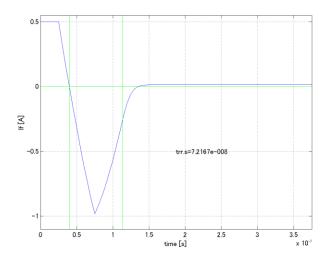
Freq. = 1MHz



Trr



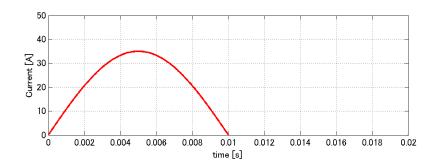
TrrWaveform

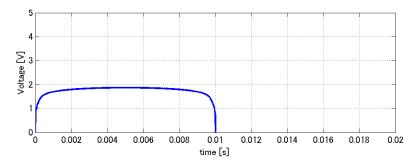




Simulation results are following. Explanatory notes — : simulated

SurgeWaveform







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