

LTspice Model

Fast Recovery Diode

NIEC

KSF30A60B



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_KSF30A60B_LT
Pin Assign 1:A 2:C 3:A 4:C
File List Model Library MDC_KSF30A60B_LT01.lib
 Model Report MDC_KSF30A60B_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 v01
- Product name KSF30A60B
- Company name Nihon Inter Electronics Corporation
- Characteristics IfVf[Temp],IrrVr[Temp],Trr

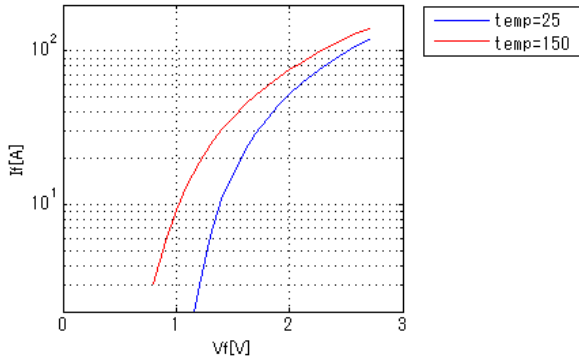
Simulation Range

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

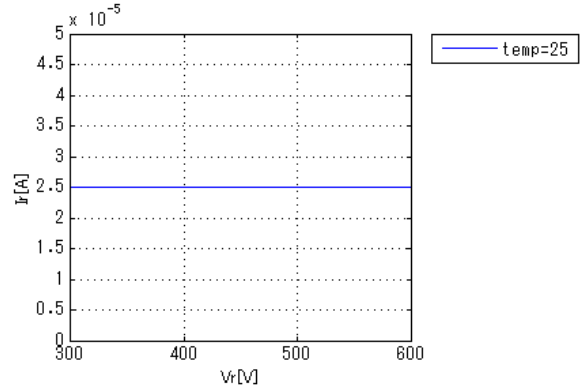
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	27	V
Reverse Voltage	0	to	1,200	V
Temperature	-40	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

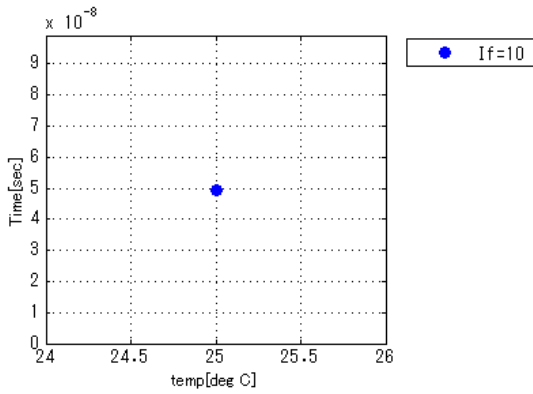
IfVf[Temp]



IrVr[Temp]



Trr



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