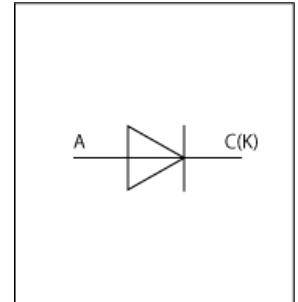


PSpice Model

Fast Recovery Diode

NIEC

FSU05A40



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_FSU05A40_PS
Pin Assign 1:C 3:A
File List Model Library MDC_FSU05A40_PS01.lib
 Model Report MDC_FSU05A40_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version March 2016 v01
- Product name FSU05A40
- Company name Nihon Inter Electronics Corporation
- Characteristics IfVf[Temp]

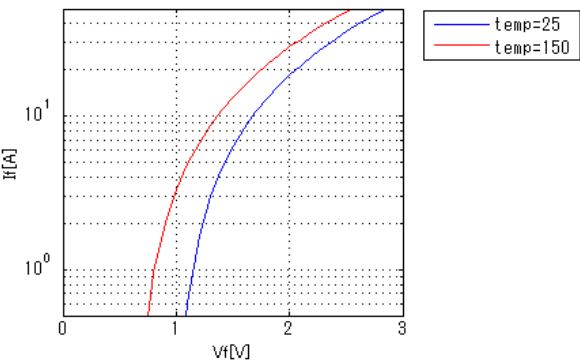
Simulation Range

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

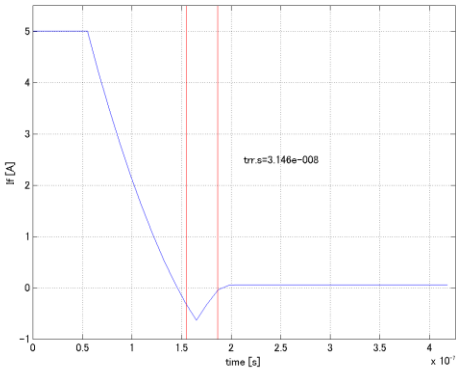
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	30	V
Reverse Voltage	0	to	800	V
Temperature	-40	to	150	deg C

Simulation results are following.
Explanatory notes — : simulated

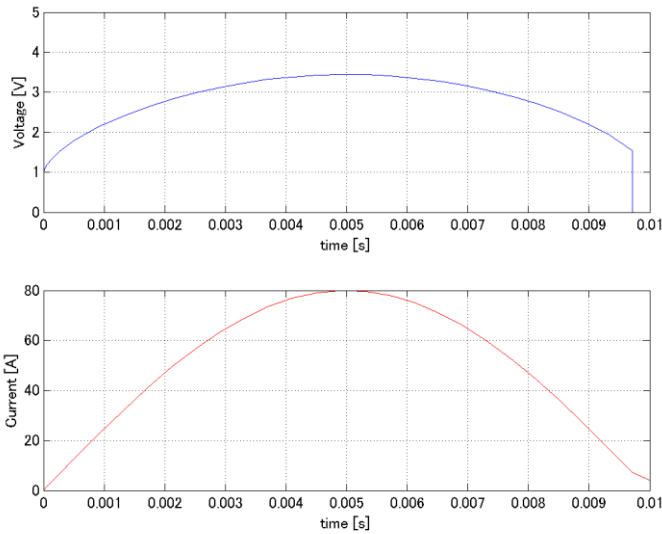
IfVf[Temp]



Trr



Surge Current



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