

LTspice Model

Fast Recovery Diode

RENESAS

RJU60C6SDPQ-A0



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_RJU60C6SDPQ-A0_LT
Pin Assign 1:A 2:C
File List Model Library MDC_RJU60C6SDPQ-A0_LT01.lib
 Model Report MDC_RJU60C6SDPQ-A0_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 Rev.1.10 May 29, 2015
- Product name RJU60C6SDPQ-A0
- Company name Renesas Electronics Corporation
- Characteristics IfVf[Temp],CjVr

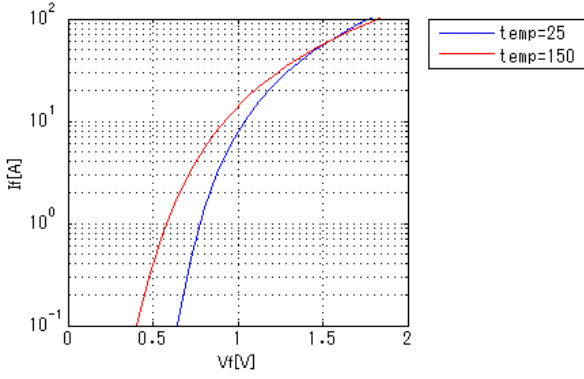
Simulation Range

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

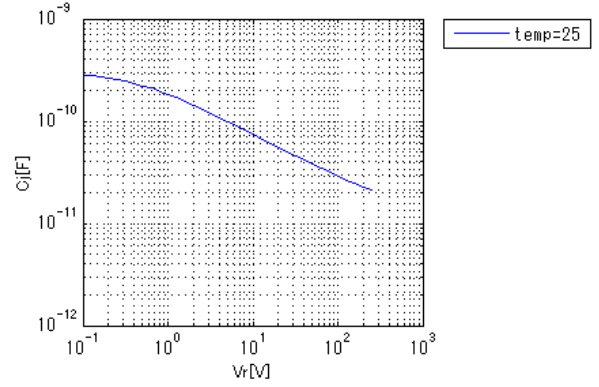
Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]



CjVr

Freq. = 1MHz



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