

LTspice Model

Operational Amplifier

RENESAS

UPC451

Model Information

Model An original macro model
Call Name MDC_UPC451_LT
Pin Assign 1:OUT1 2:II1 3:IN1 4:V+ 5:IN2 6:II2 7:OUT2 8:OUT3 9:II3 10:IN3 11:V- 12:IN4 13:II4 14:OUT4
File List Model Library MDC_UPC451_LT01.lib
 Model Report MDC_UPC451_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 December 2007
- Product name UPC451
- Company name Renesas Electronics Corporation
- Characteristics GainFreq.[Temp],Input bias current,Input offset voltage,Slew rate

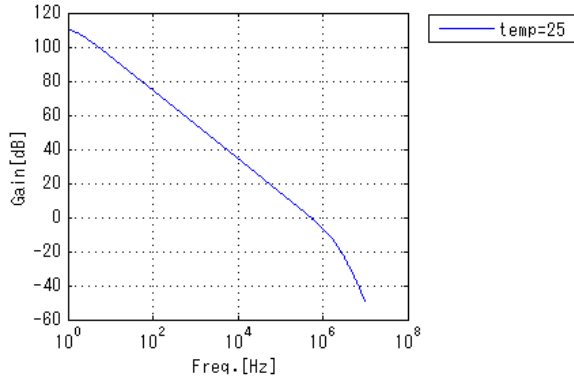
Simulation Condition

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

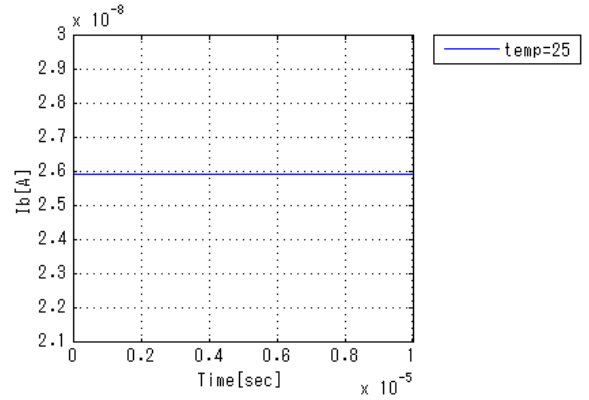
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

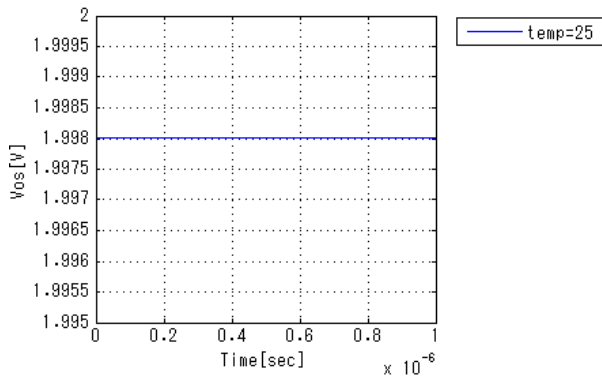
GainFreq.[Temp]



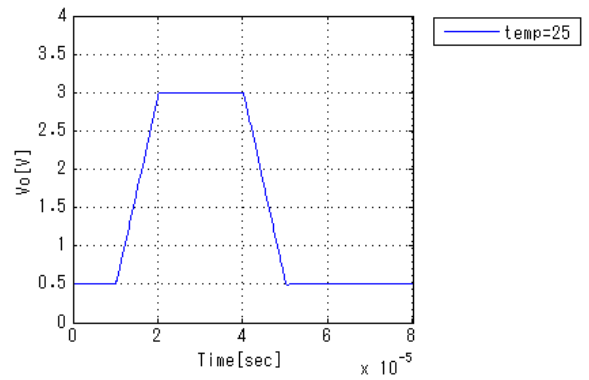
Input bias current



Input offset voltage



Slew rate



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