

PSpice Model

Operational Amplifier

TI

NE5534S

Model Information

Model An original macro model
Call Name MDC_NE5534S_PS
Pin Assign 1:Out 2:In- 3:In+ 4:V- 5:V+
File List Model Library MDC_NE5534S_PS01.lib
 Model Report MDC_NE5534S_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 REVISED NOVEMBER 2014
- Product name NE5534S
- Company name Texas Instruments Inc.
- Characteristics GainFreq.[Temp],Slew rate,Voltage output swing,Input offset voltage,Input bias current,Input referred voltage noise

Simulation Condition

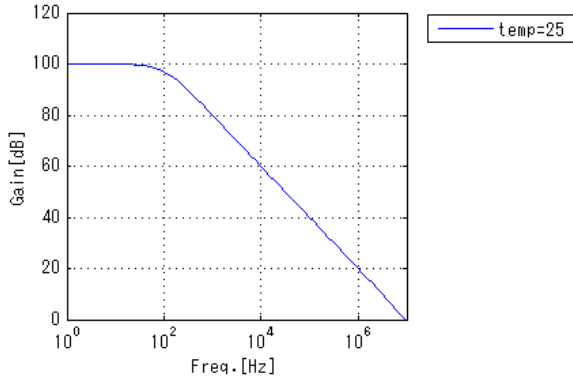
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

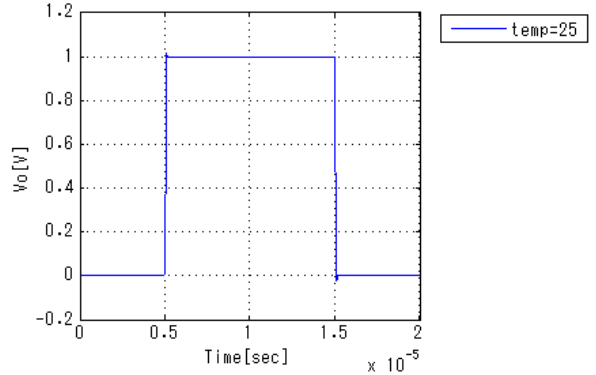
GainFreq.[Temp]

Vs+ = 15V, Vs- = -15V



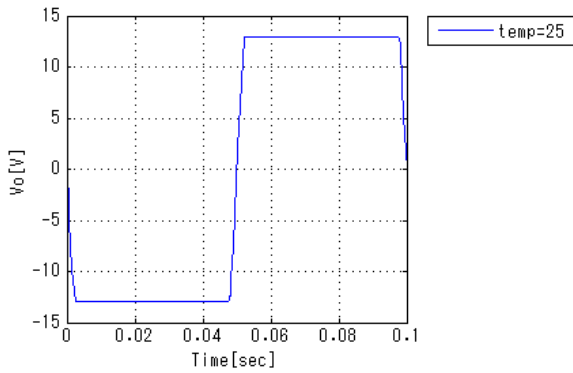
Slew rate

Vs+ = 15V, Vs- = -15V, Gain = 1



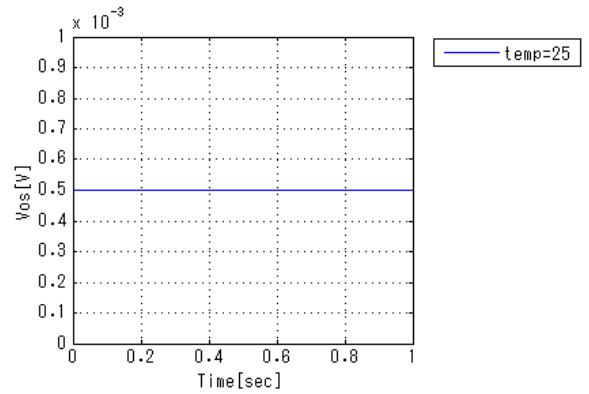
Voltage output swing

Vs+ = 15V, Vs- = -15V, RI = 2000ohm



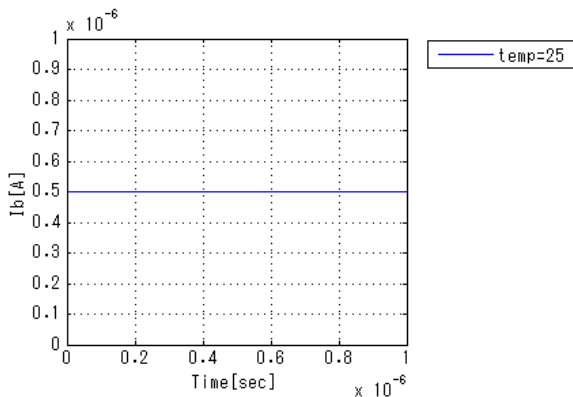
Input offset voltage

Vs+ = 15V, Vs- = -15V



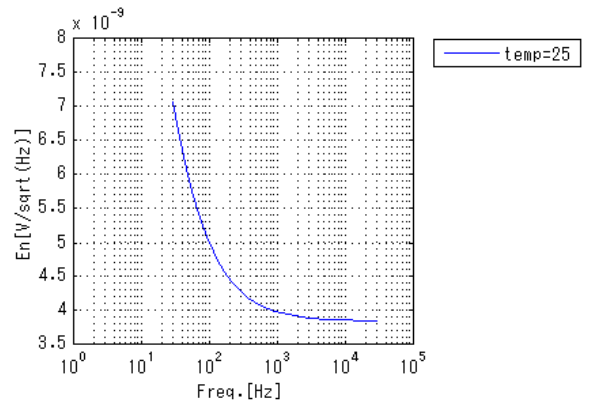
Input bias current

Vs+ = 15V, Vs- = -15V



Input referred voltage noise

Vs+ = 15V, Vs- = -15V



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