

LTspice Model

OpAmp

Texas Instruments

OPA2322AIDR

Model Information

Model A macro model
Call Name MDC_OPA2322AIDR_LT
Pin Assign 1:OUTA,2:-INA,3:+INA,4:V-,5:+INB,6:-INB,7:OUTB,8:V+
File List Model Library MDC_OPA2322AIDR_LT.lib
 Model Report MDC_OPA2322AIDR_LT.pdf(this file)

Verified Simulator Version LTspice XVII

Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version SBOS538F –JANUARY 2011–REVISED DECEMBER 2016
- Product name OPAx322x
- Company name Texas Instruments Incorporated.

[Characteristics listed]

- Characteristics
 - Open Loop Gain , Phase
 - Input Offset Voltage
 - Bias Current
 - Maximum output amplitude voltage
 - Slew Rate

Simulation Condition

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

Item	Condition	Unit
Temperature	25	deg C

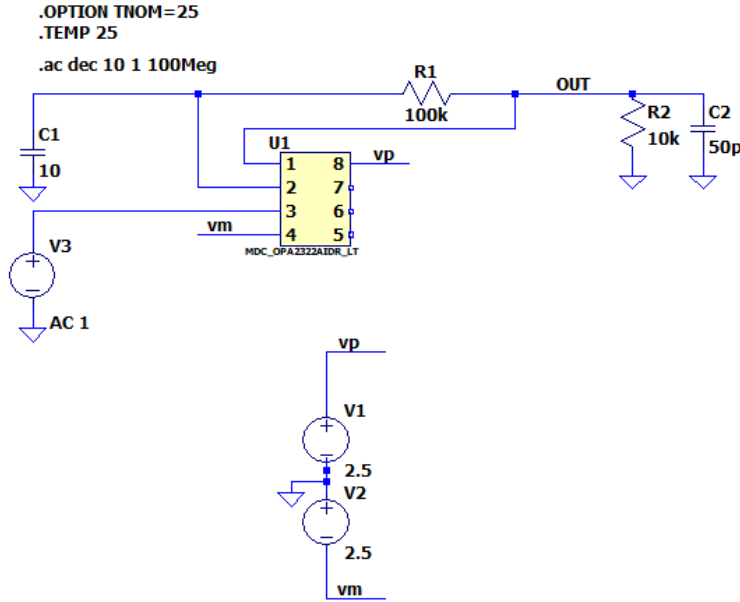
○ : Implemented
 × : Not Implemented
 — : Not applicable

Model Functions Table
RANK=1

Functions	RANK	Implemented
Open Loop Gain	1	○
Unity Frequency	1	○
Phase Margin	1	○
Input Offset Voltage	1	○
Input Offset Current	1	○
Bias Current	1	○
Maximum output amplitude voltage	1	○
Slew Rate	1	○
Equivalent Input Noise Voltage	2	×
Equivalent Input Noise Current	2	×

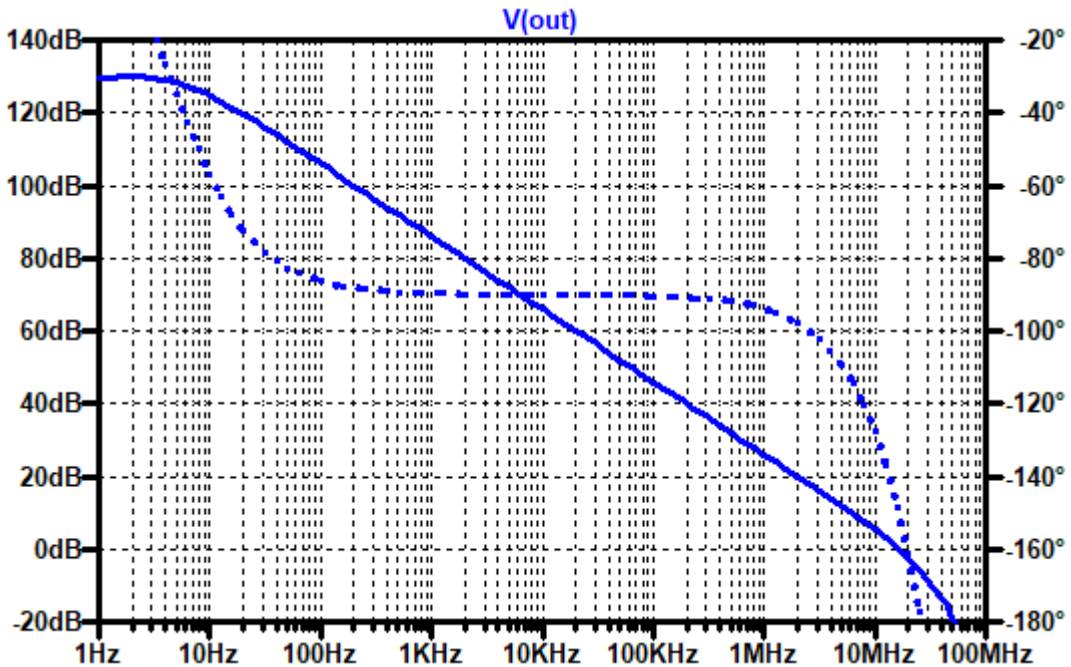
Open Loop Gain , Phase Testbench

Referred to Data Sheet

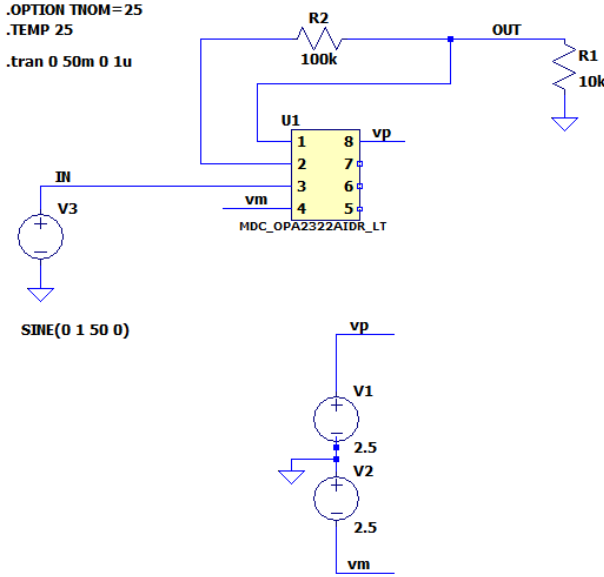


Simulation results are following.
 Explanatory notes — : simulated

Open Loop Gain , Phase

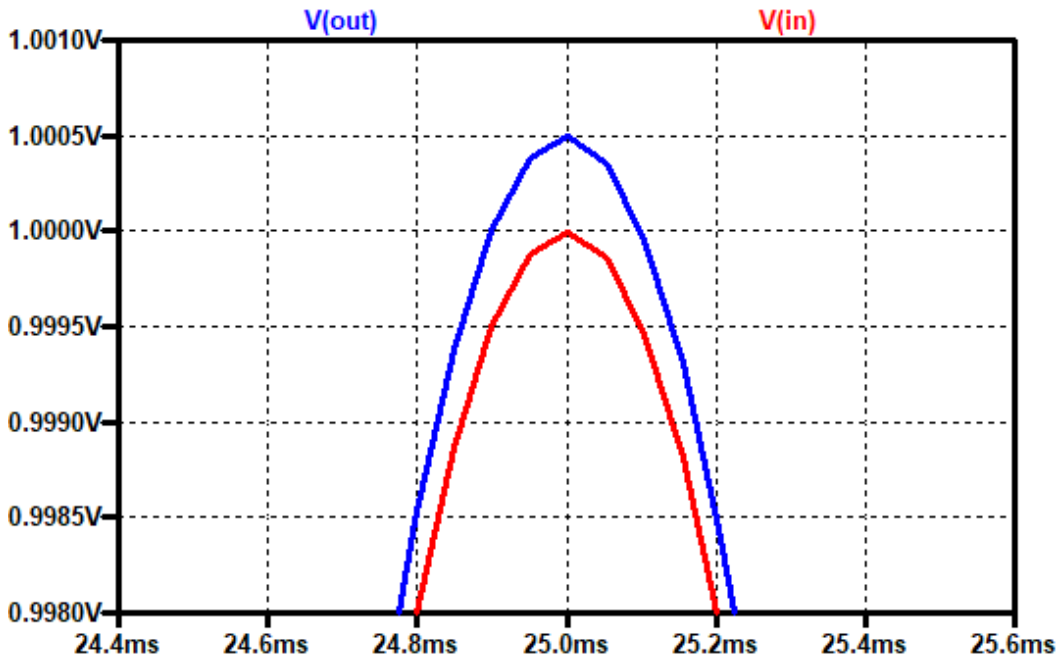


Input Offset Voltage Testbench
Referred to Data Sheet

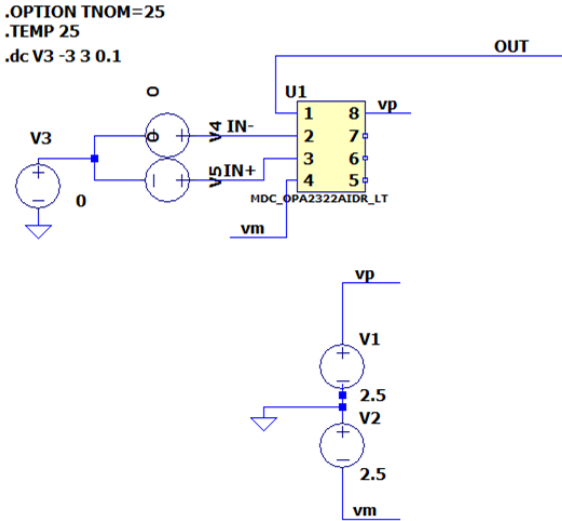


Simulation results are following.
 Explanatory notes — : simulated

Input Offset Voltage

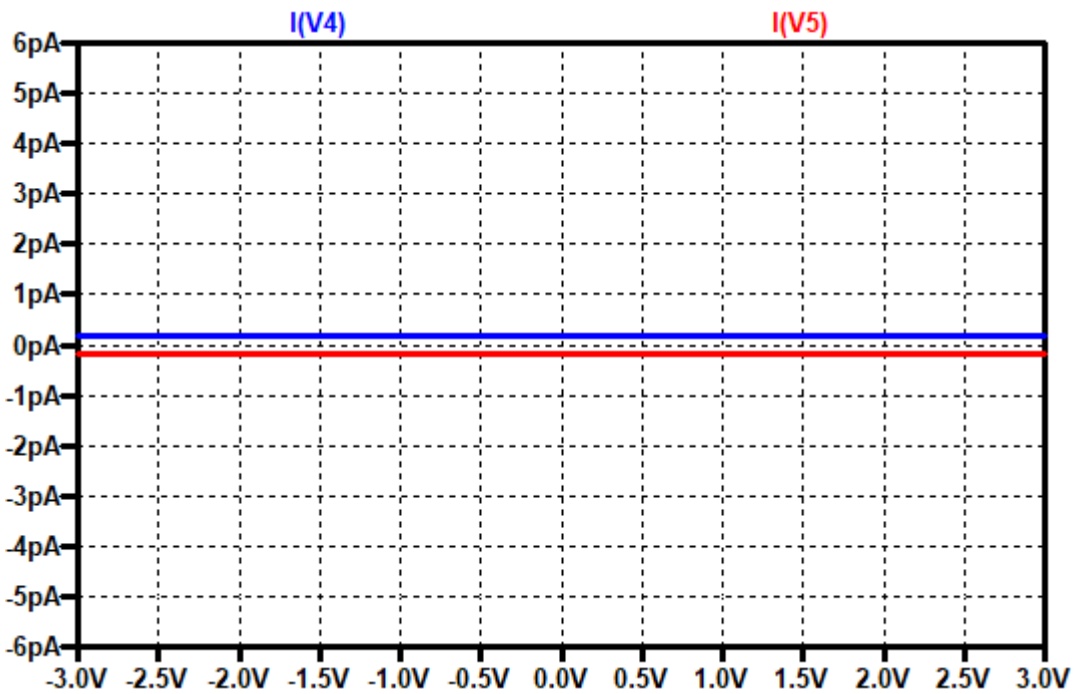


Bias Current Testbench
Referred to Data Sheet

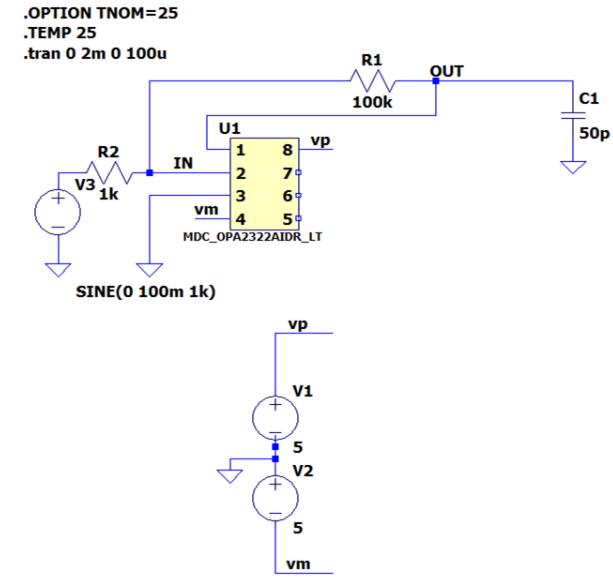


Simulation results are following.
 Explanatory notes — : simulated

Bias Current

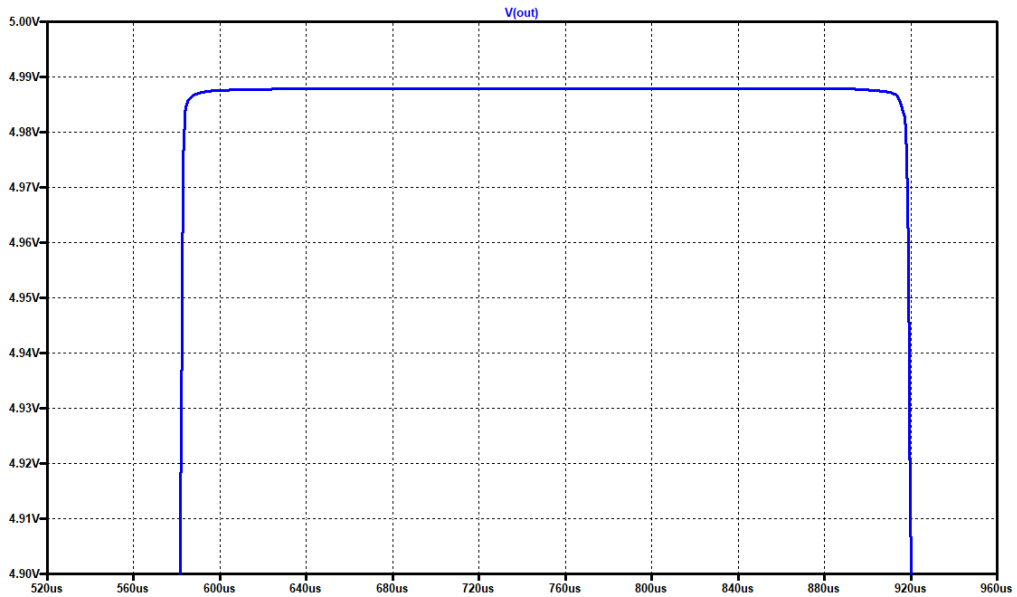


Maximum output amplitude voltage Testbench
 Referred to Data Sheet



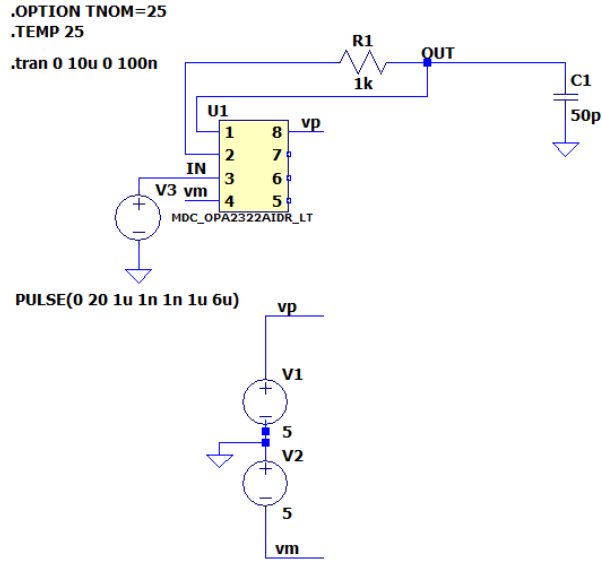
Simulation results are following.
 Explanatory notes — : simulated

Maximum output amplitude voltage



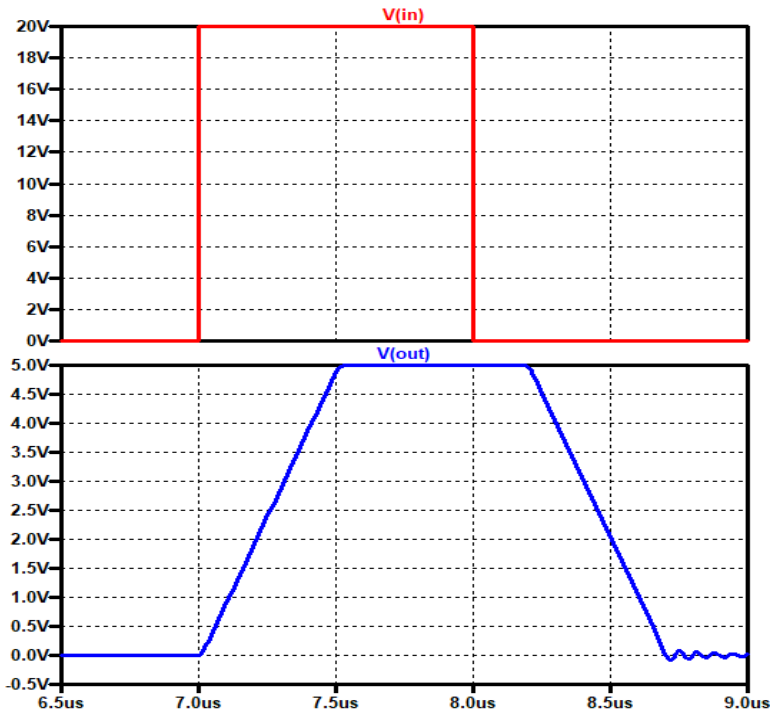
Slew Rate Testbench

Referred to Data Sheet



Simulation results are following.
 Explanatory notes — : simulated

Slew Rate



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