

LTspice Model

OPAMP

ROHM

BU7244

Model Information

Model A macro model
Call Name MDC_BU7244_LT
Pin Assign 1:OUT1 2:IN1- 3:IN1+ 4:VDD 5:IN2+ 6:IN2- 7:OUT2 8:OUT3 9:IN3- 10:IN3+ 11:VSS
 12:IN4+ 13:IN4- 14:OUT4
File List Model Library MDC_BU7244_LT.lib
 Model Report MDC_BU7244_LT.pdf(this file)
Verified Simulator Version LTspiceXVII

Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 03.Dec.2014
- Product name BU7244
- Company name ROHM

[Characteristics listed]

- Characteristics Large Signal Voltage Gain, Voltage Gain
 Gain Bandwidth, Phase Margin
 Input Offset Voltage, Input Bias Current
 Maximum Output (High, Low), Slew Rate

Simulation Condition

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

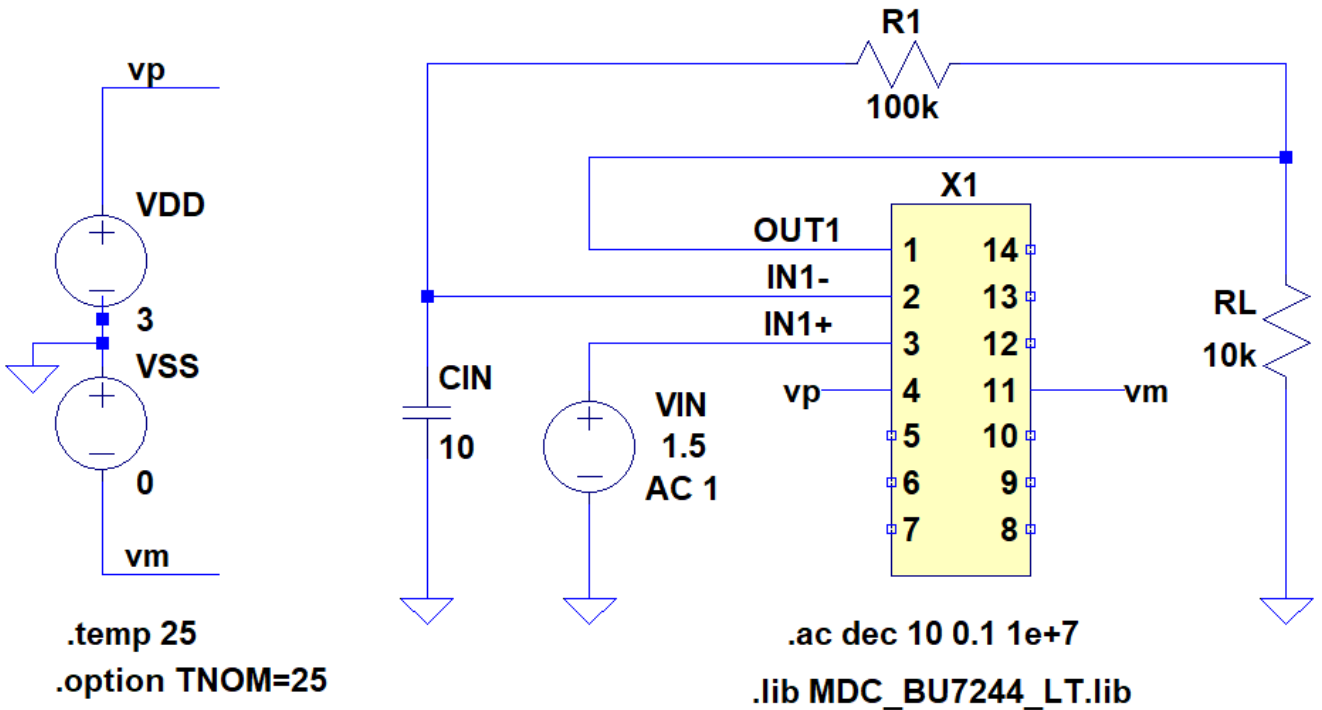
Item	Condition	Unit
Temperature	25	deg C

Model Functions Table

Functions	Implemented
Large Signal Voltage Gain	○
Voltage Gain	○
Gain Bandwidth	○
Phase Margin	○
Input Offset Voltage	○
Input Bias Current	○
Maximum Output (High,Low)	○
Slew Rate	○

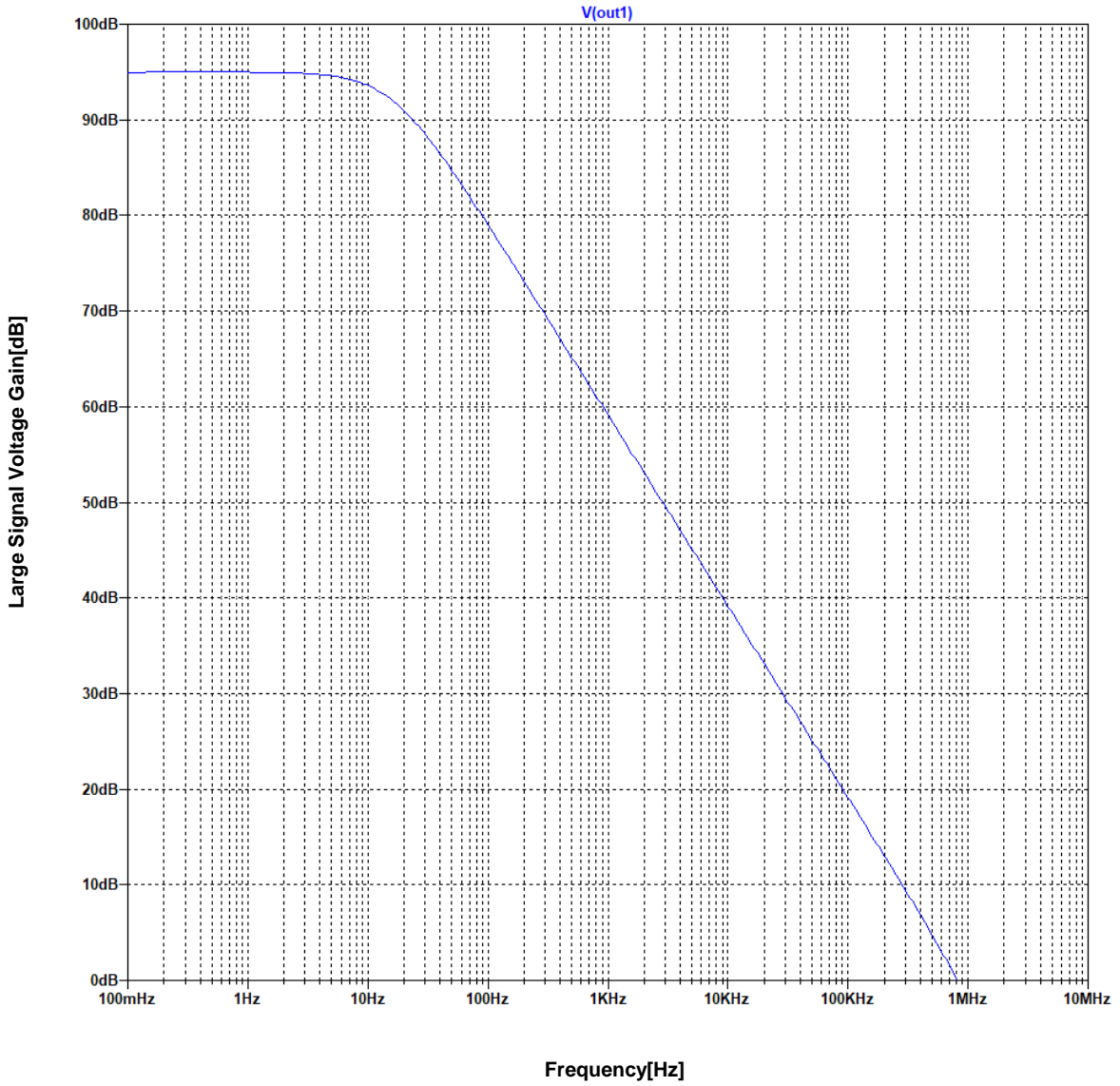
Large Signal Voltage Gain Testbench

Referred to Data Sheet

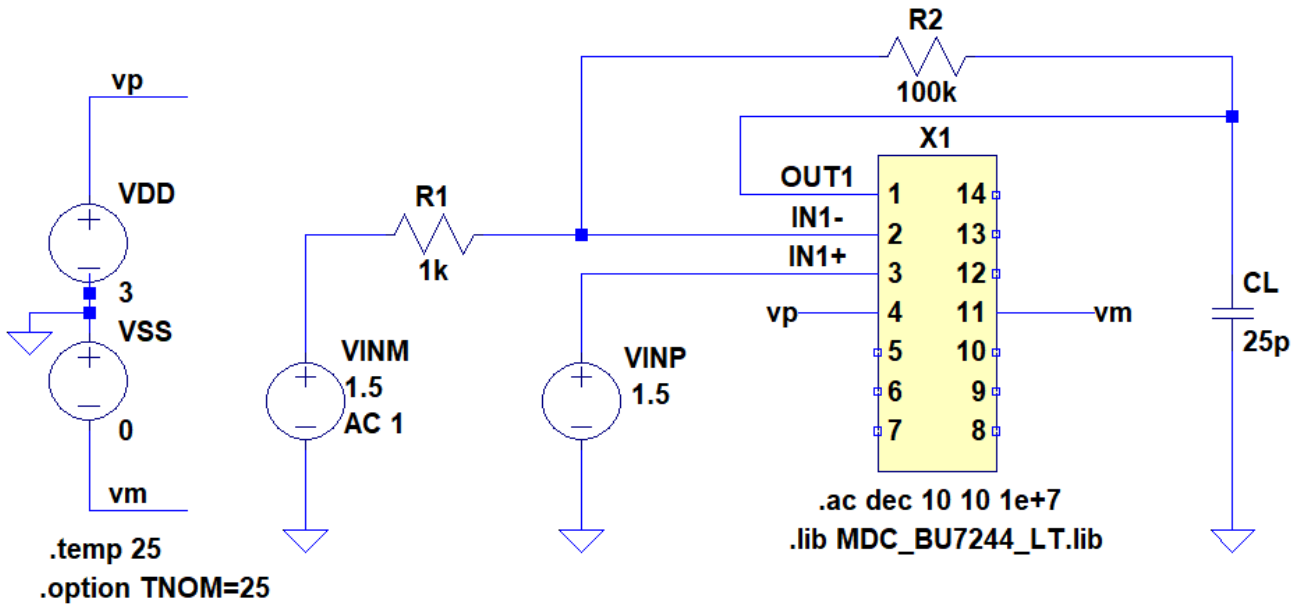


Simulation results are following.
Explanatory notes — : simulated

Large Signal Voltage Gain

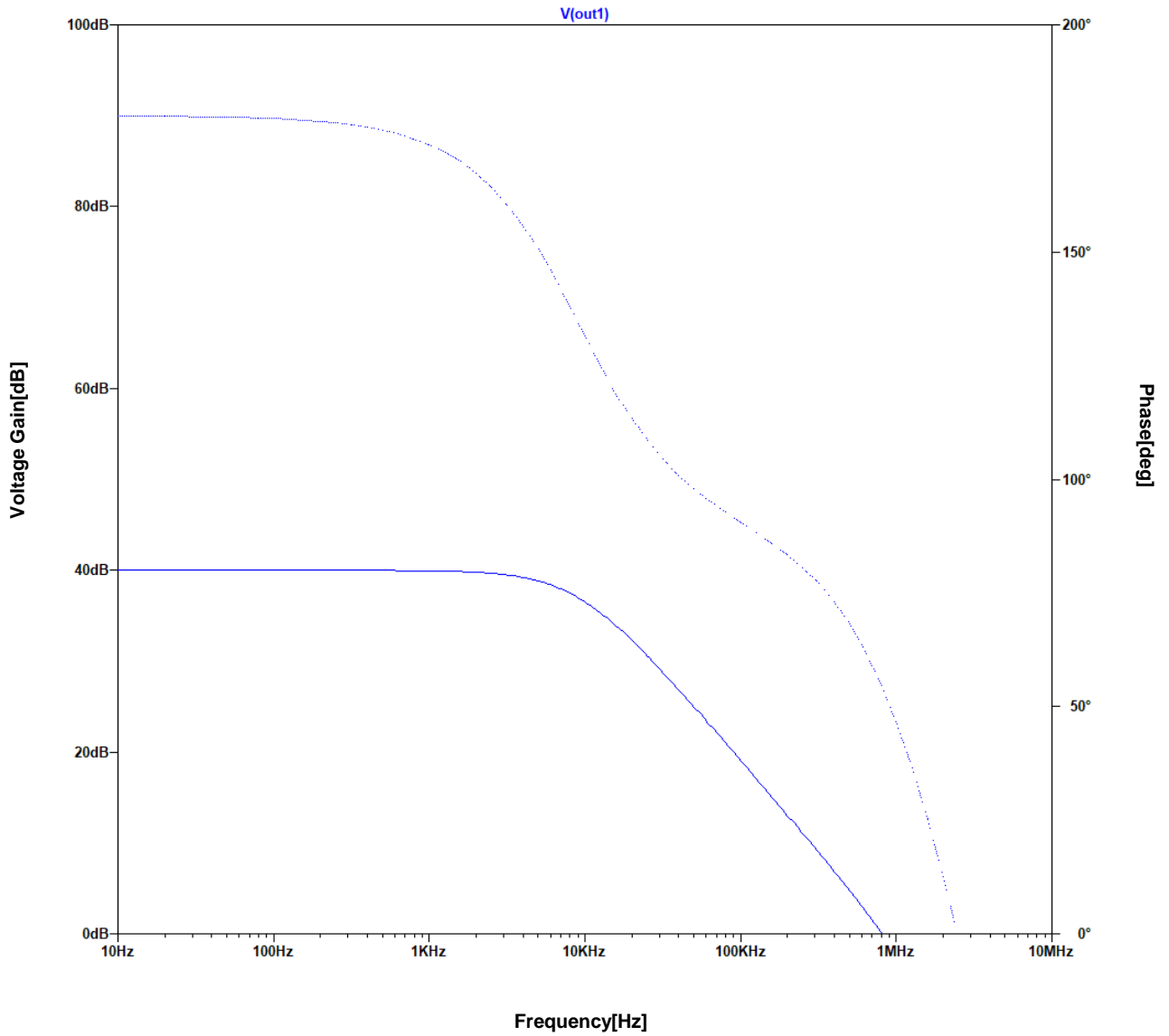


Voltage Gain/Gain Bandwidth/Phase Margin Testbench
 Referred to Data Sheet

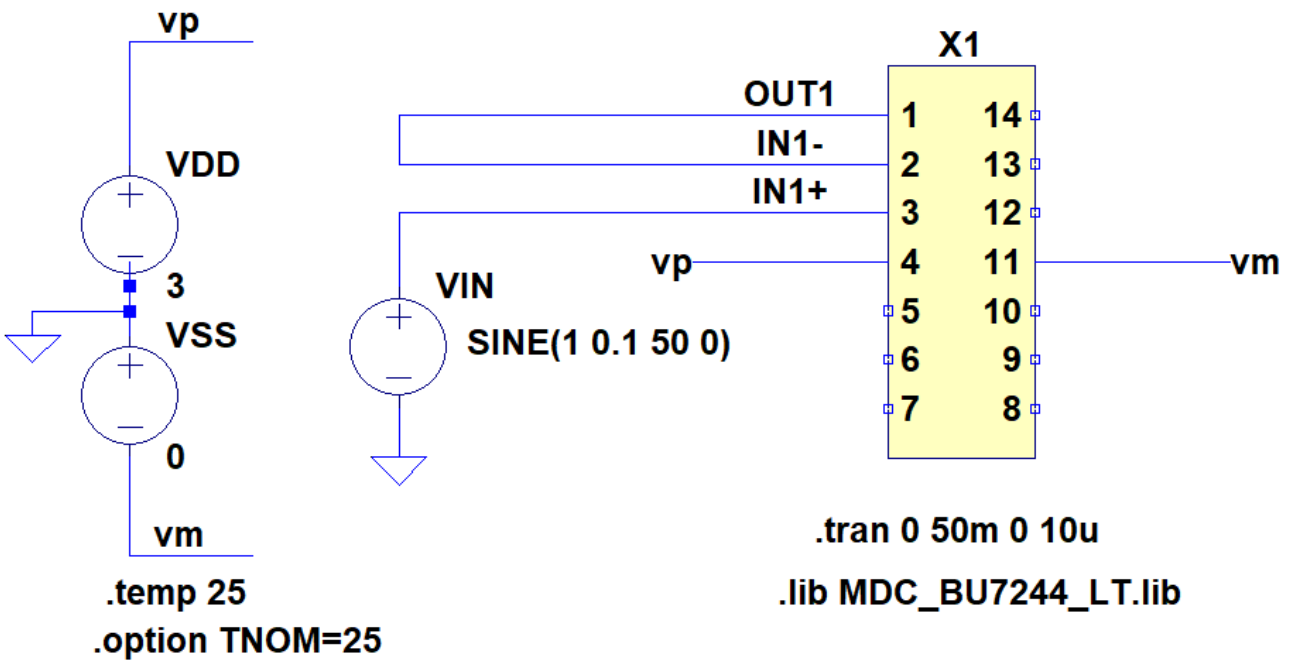


Simulation results are following.
Explanatory notes — : simulated

Voltage Gain/Gain Bandwidth/Phase Margin

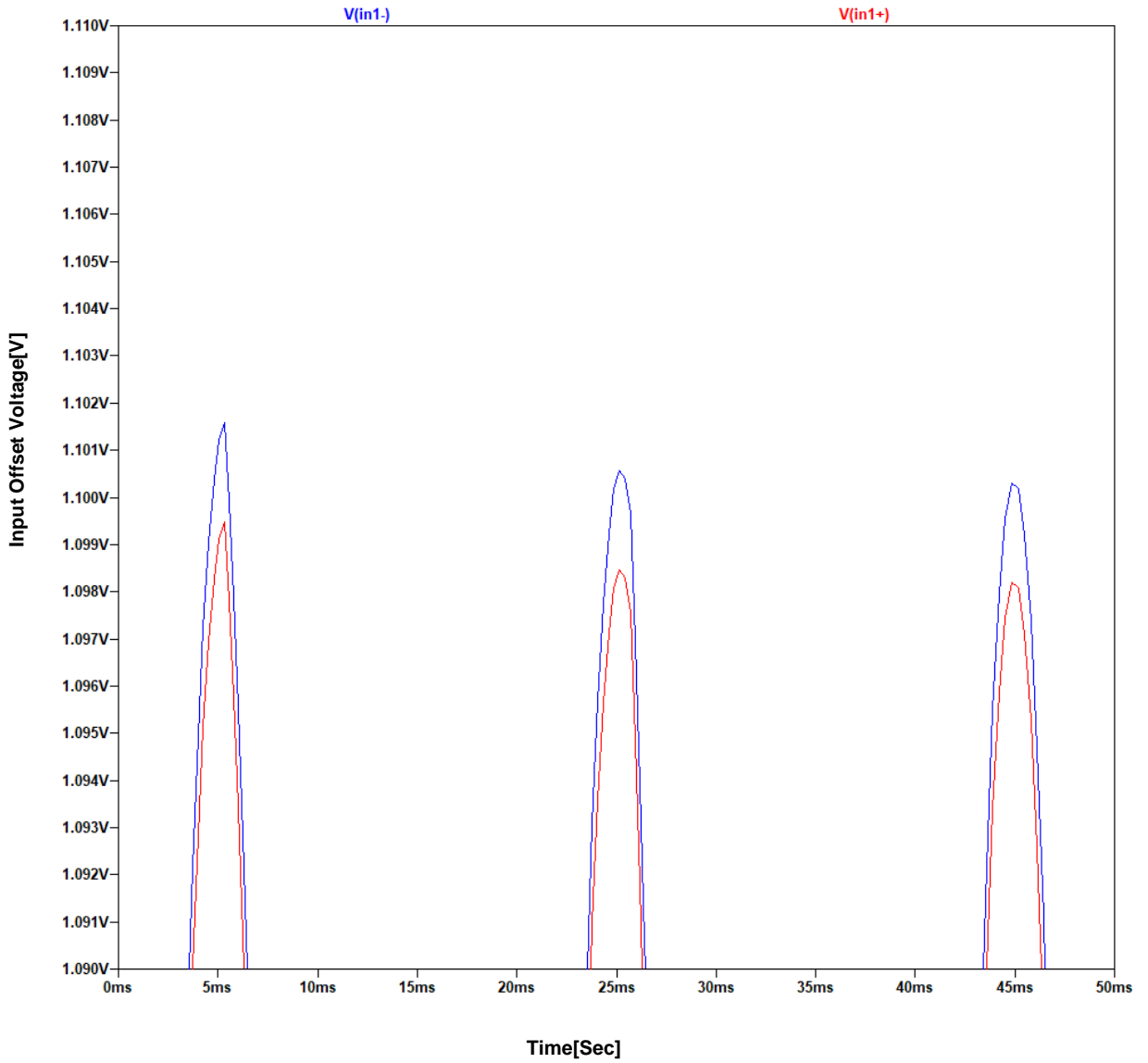


Input Offset Voltage Testbench
Referred to Data Sheet

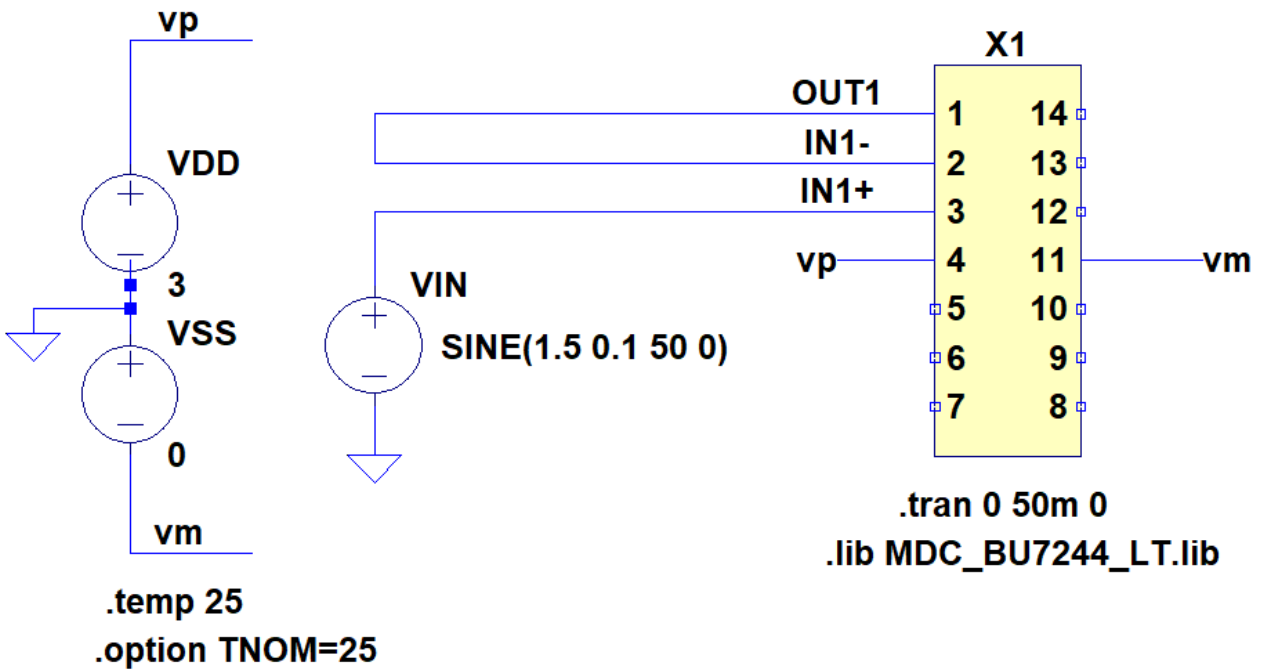


Simulation results are following.
Explanatory notes — : simulated

Input Offset Voltage

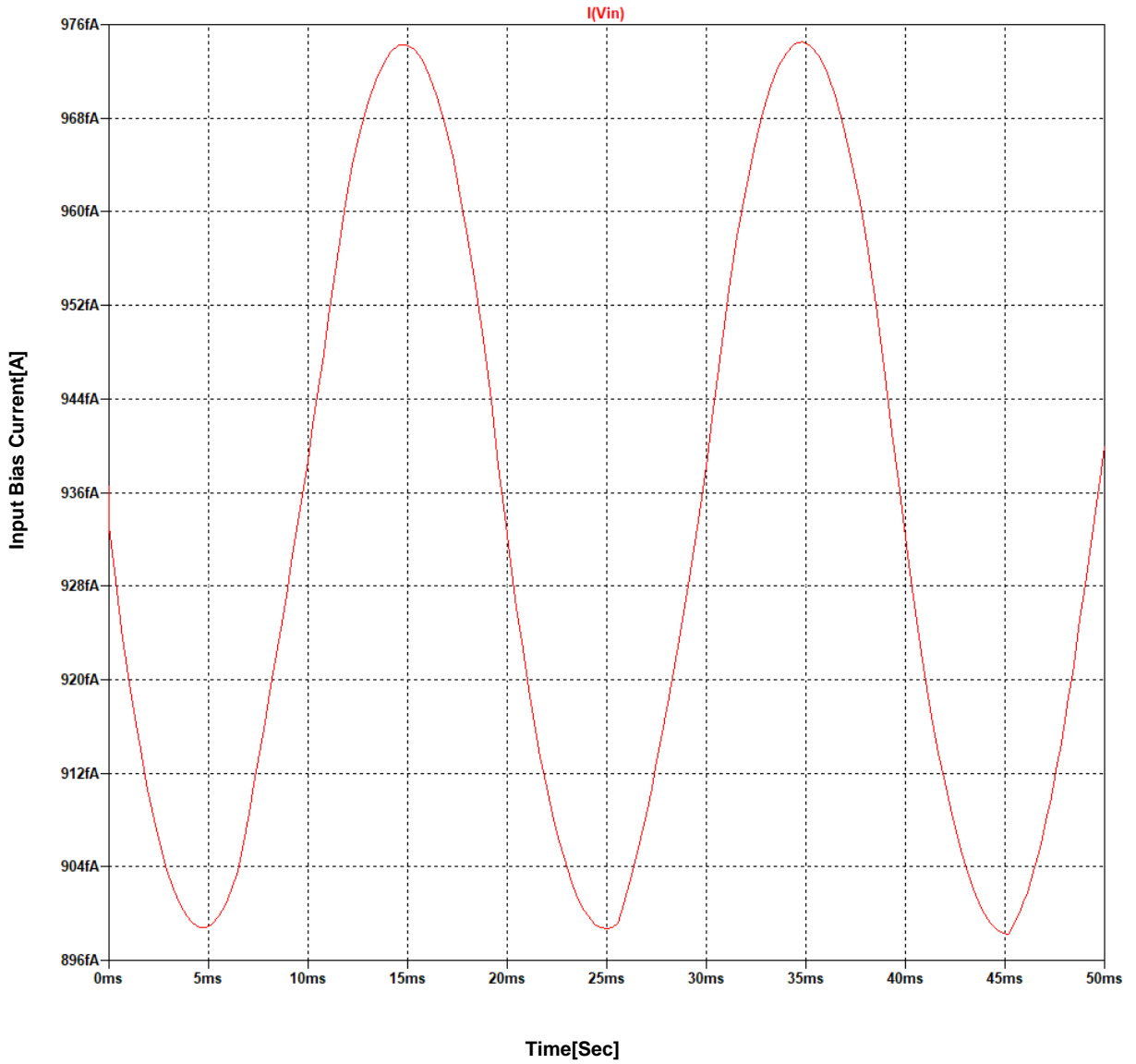


Input Bias Current Testbench
Referred to Data Sheet

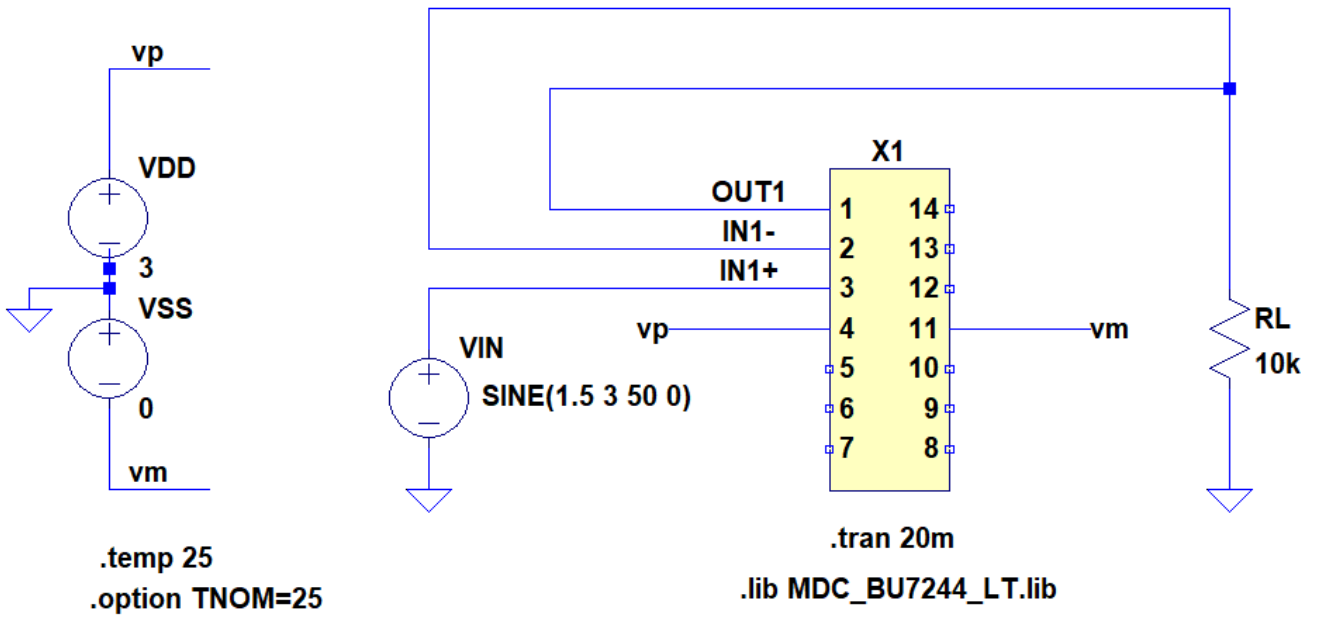


Simulation results are following.
Explanatory notes — : simulated

Input Bias Current

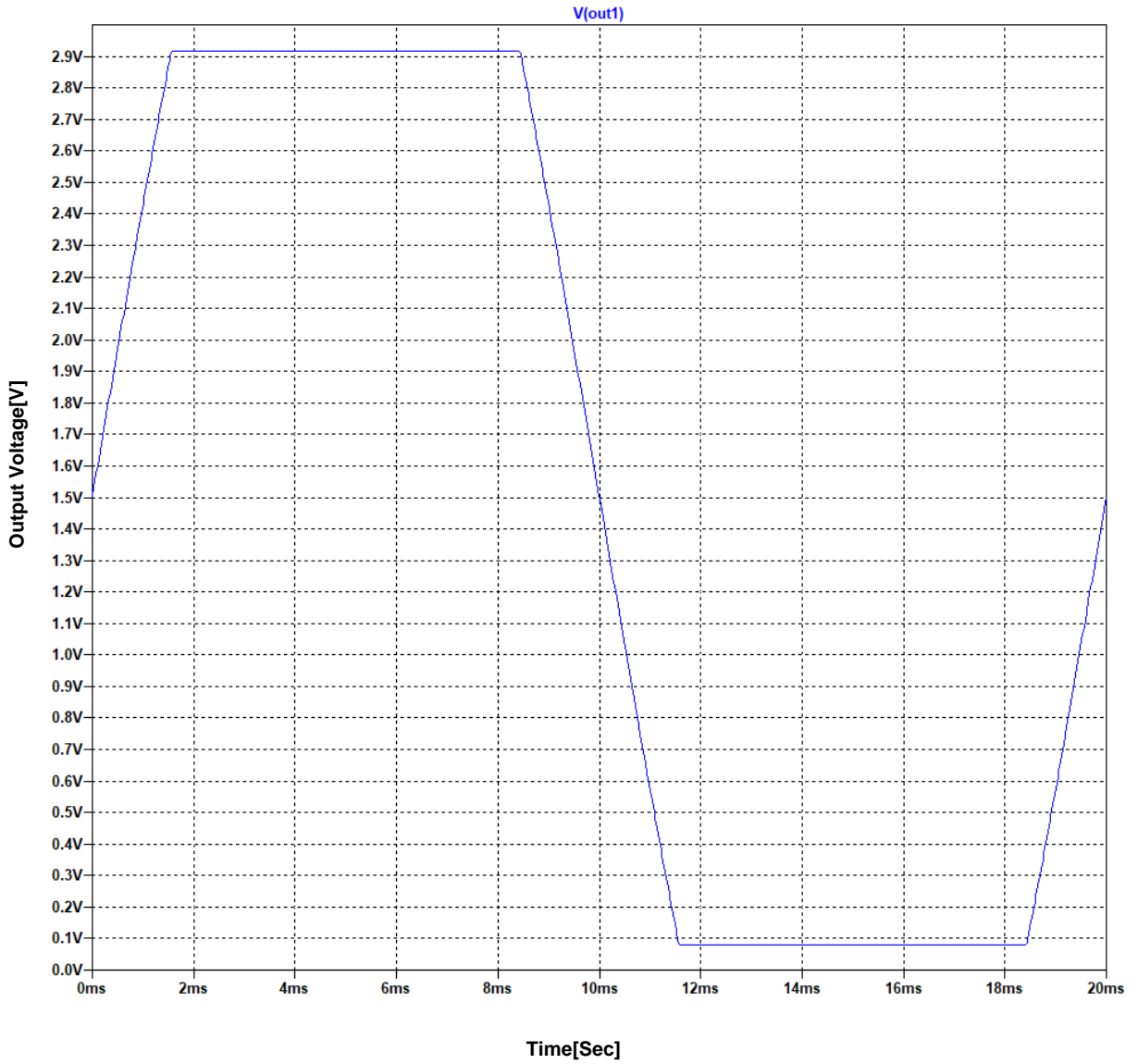


Maximum Output (High,Low) Testbench
Referred to Data Sheet



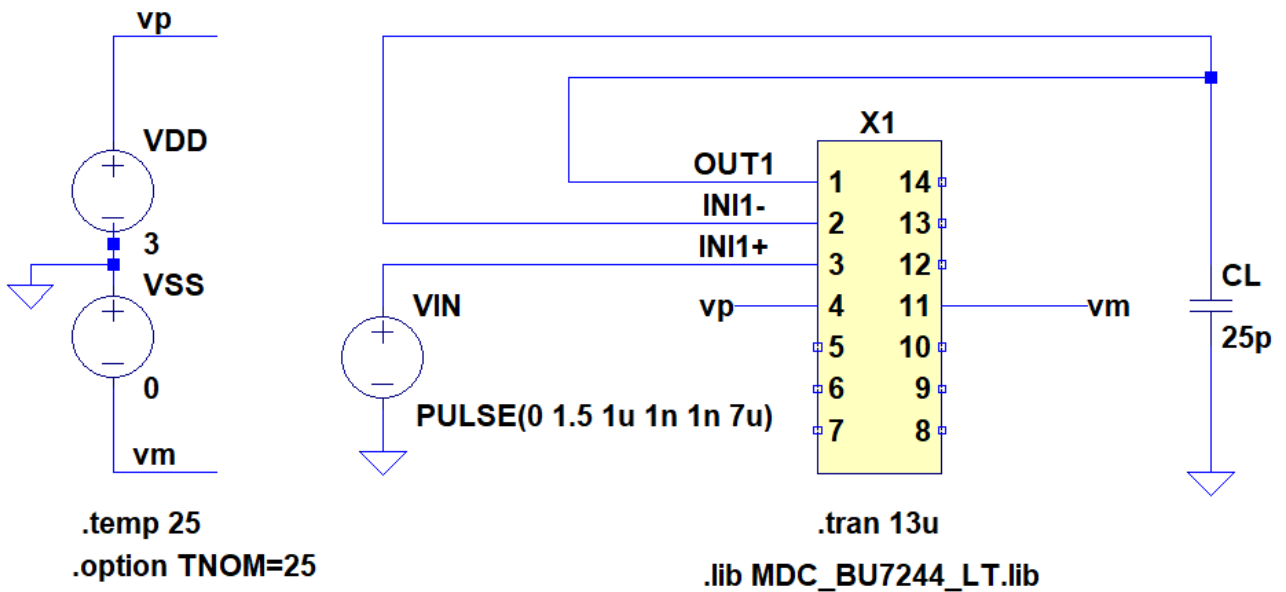
Simulation results are following.
Explanatory notes — : simulated

Maximum Output (High,Low)



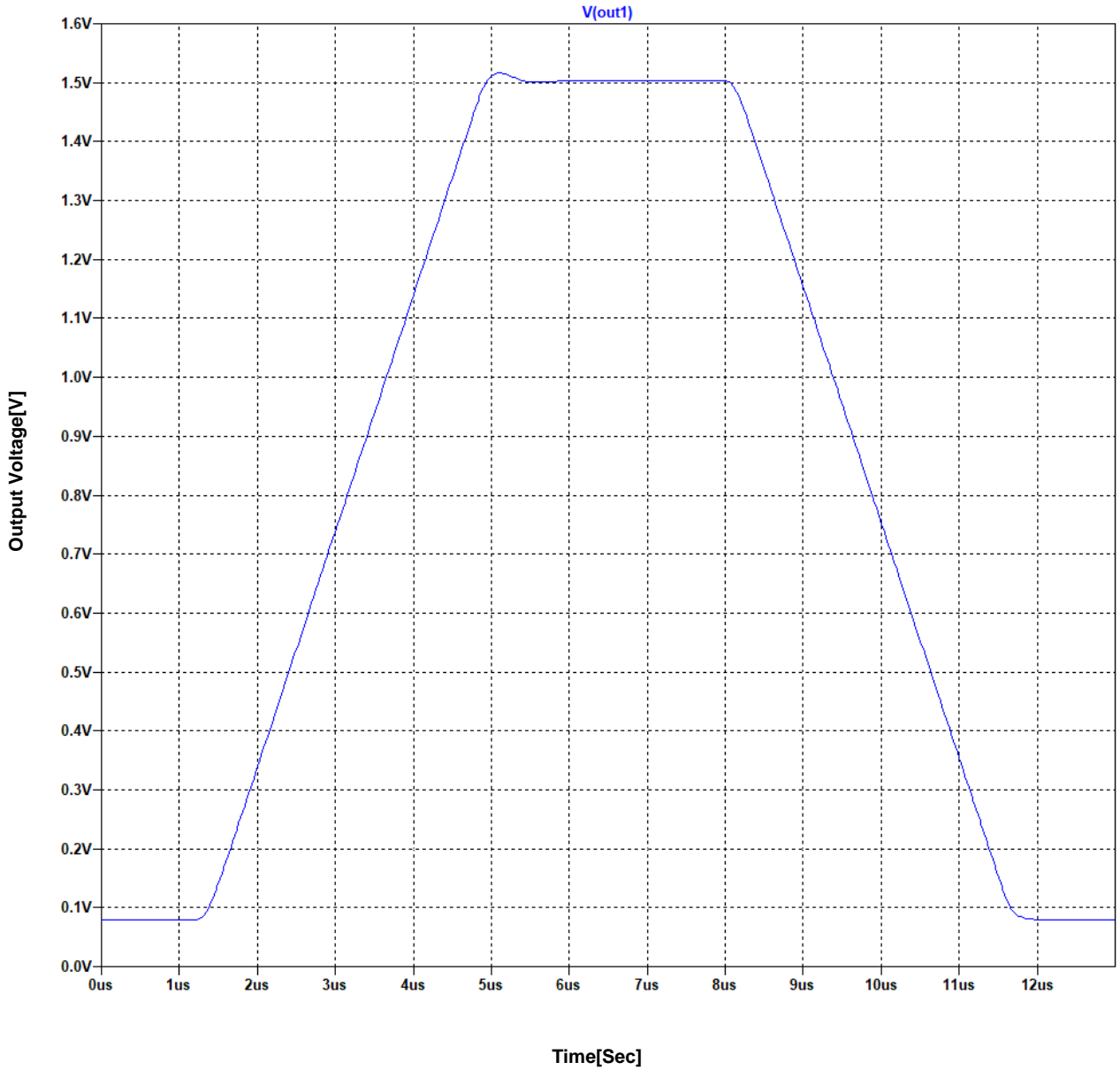
Slew Rate Testbench

Referred to Data Sheet



Simulation results are following.
Explanatory notes — : simulated

Slew Rate



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