

Device Modeling Report

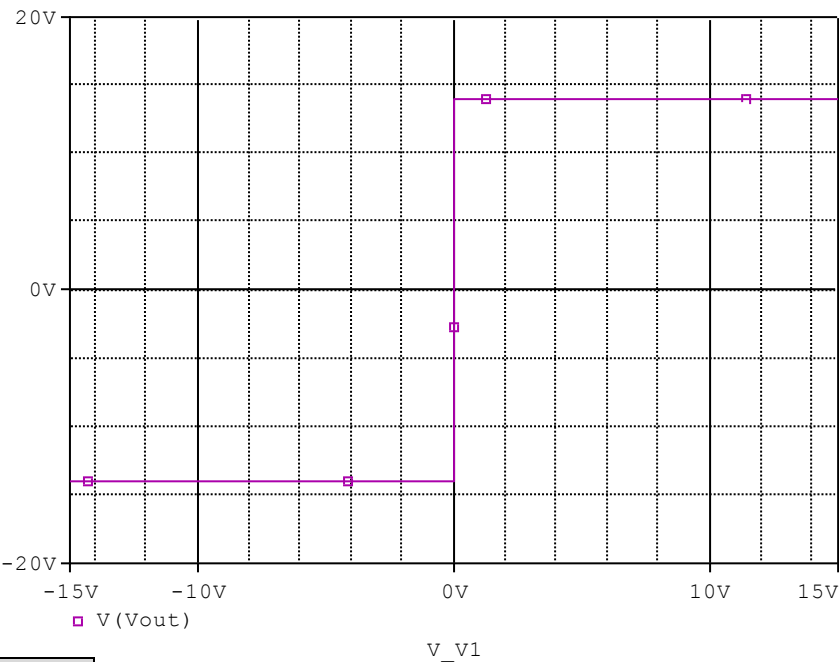
COMPONENTS: OPERATIONAL AMPLIFIER
PART NUMBER: NJM2121
MANUFACTURER: NEW JAPAN RADIO CO.,LTD



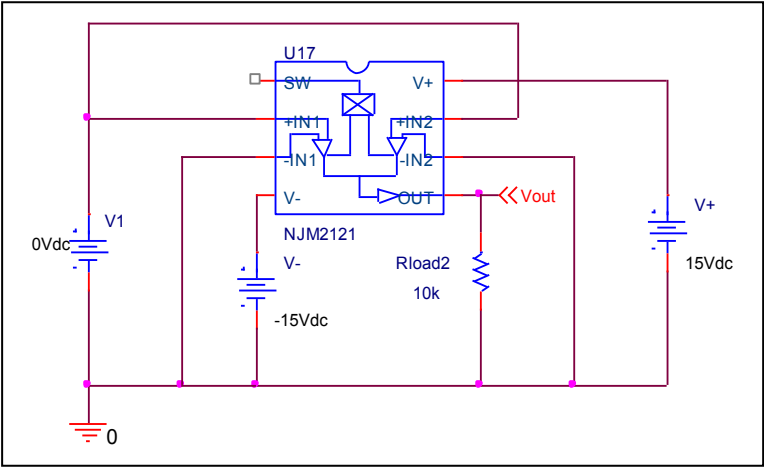
Bee Technologies Inc.

Output Voltage Swing

Simulation result



Evaluation circuit

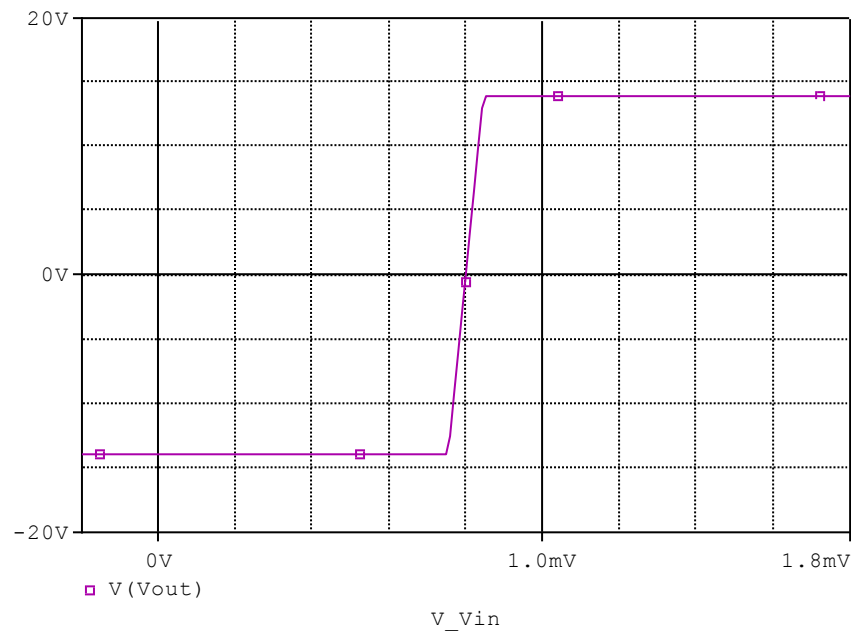


Comparison table

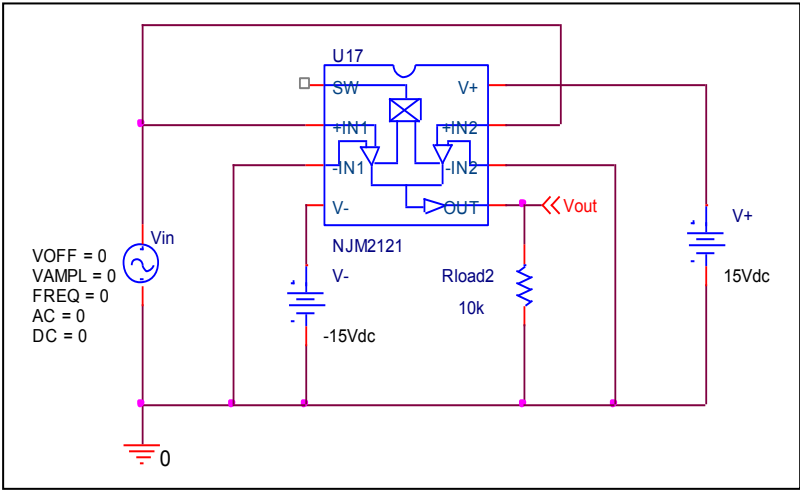
Output Voltage Swing VOM	Data sheet +/-14	Simulation +/-14	%Error 0
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Input Offset Voltage

Simulation result



Evaluation circuit

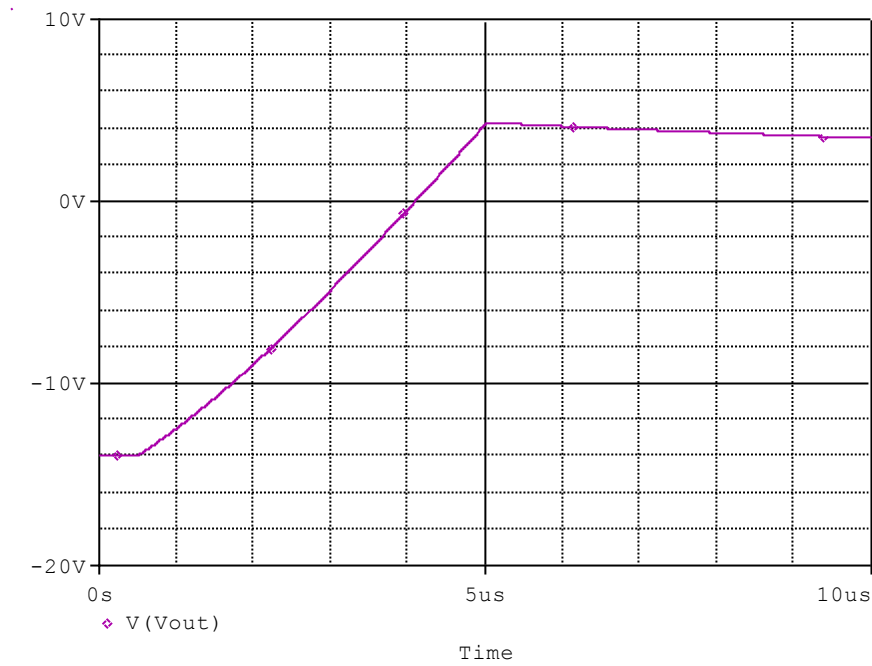


Comparison table

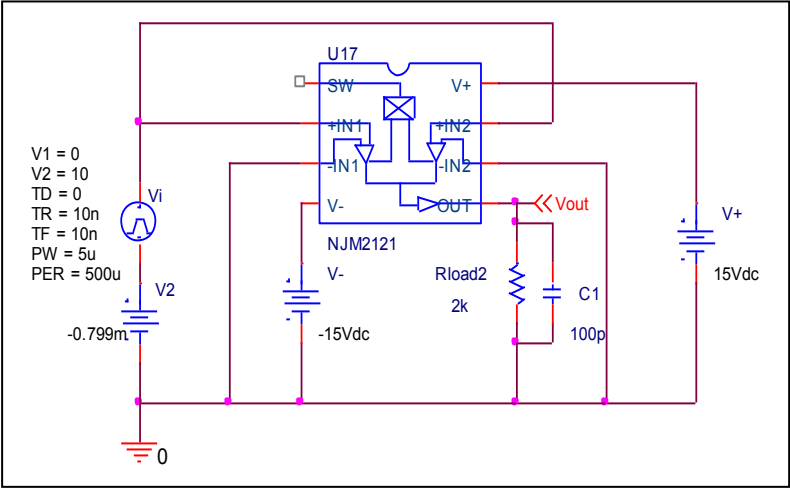
Vio	Measurement		Simulation		Error	
	0.8	mV	0.799	mV	-0.125	%

Slew Rate

Simulation result



Evaluation circuit

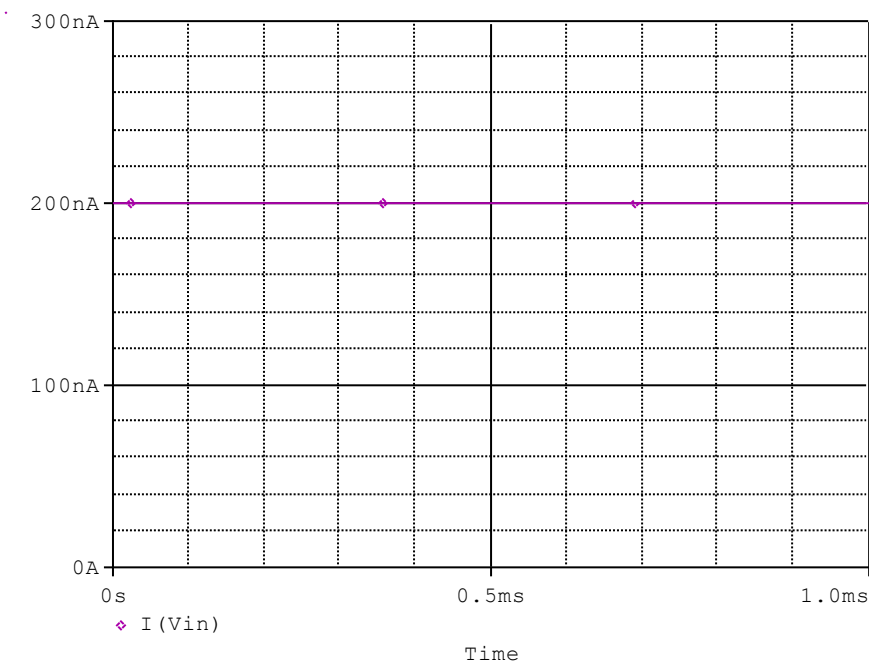


Comparison table

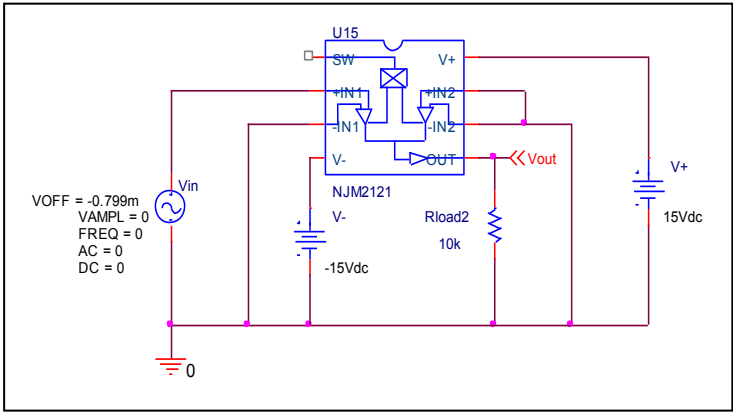
Slew Rate(v/us)	Data sheet	Simulation	%Error
	4	4.098	2.45

Input current

Simulation result



Evaluation circuit

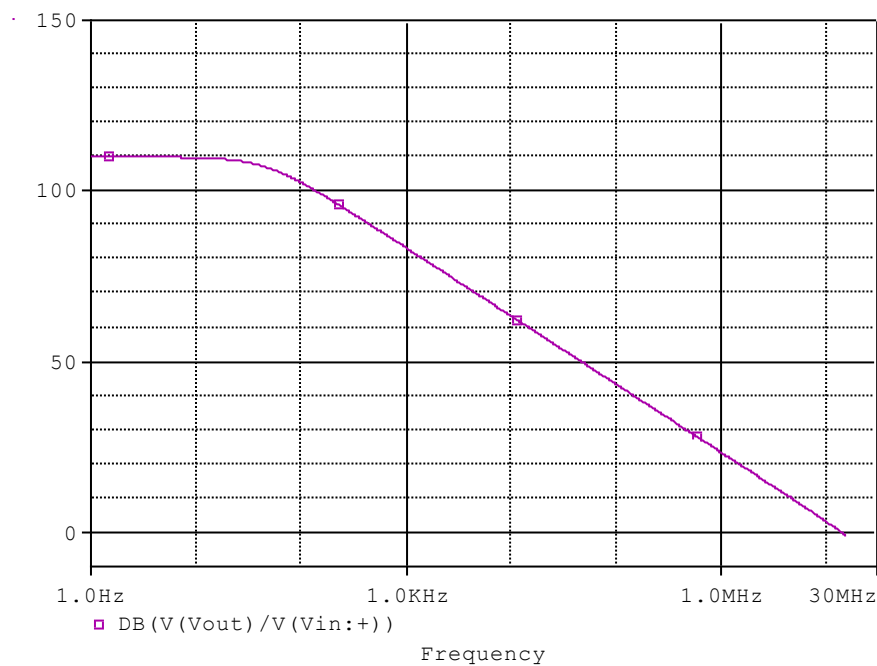


Comparison table

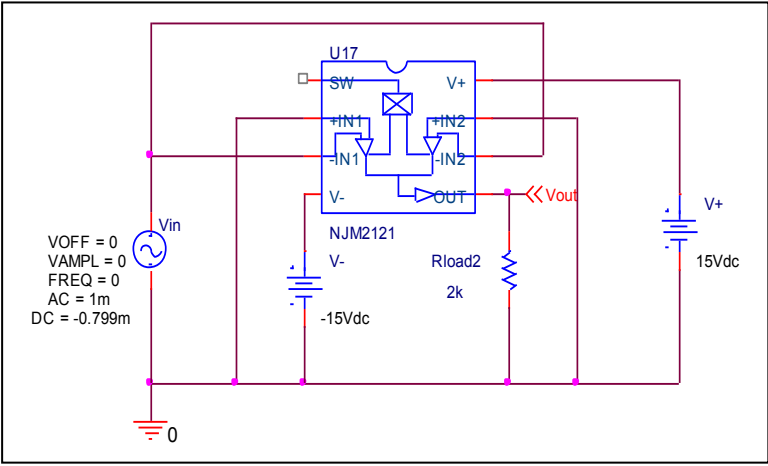
	Data sheet	Simulation	%Error
Ib(nA)	200	200	0

Open Loop Voltage Gain vs. Frequency

Simulation result



Evaluation circuit



Comparison table

	Data sheet	Simulation	%Error
f-0dB(MHz)	14	13.741	-1.85
Av-dc	110	109.950	-0.045