# ADS Model
# Operational Amplifier
# ROHM Co., Ltd.
# BA2902SF

## Model Information

| | |
|---|---|
| **Model** | A macro model |
| **Call Name** | MDC_BA2902SF_AD |
| **Pin Assign** | 1:OUT1 2:-IN1 3:+IN1 4:VCC 5:+IN2 6:-IN2 7:OUT2 8:OUT3 9:-IN3 10:+IN3 11:VEE 12:+IN4 13:-IN4 14:OUT4 |
| **File List** | Model Library    MDC_BA2902SF_AD.zip |
| | Model Report    MDC_BA2902SF_AD.pdf(this file) |
| **Verified Simulator Version** | ADS 2021 |
| **Note** | |

### References

The information which was used for modeling is as follow:

    [Data Sheet]
      ●Date/Version      2020.12.11.Rev004
      ●Product name      BA2902SF
      ●Company name      ROHM Co., Ltd.

    [Characteristics listed]
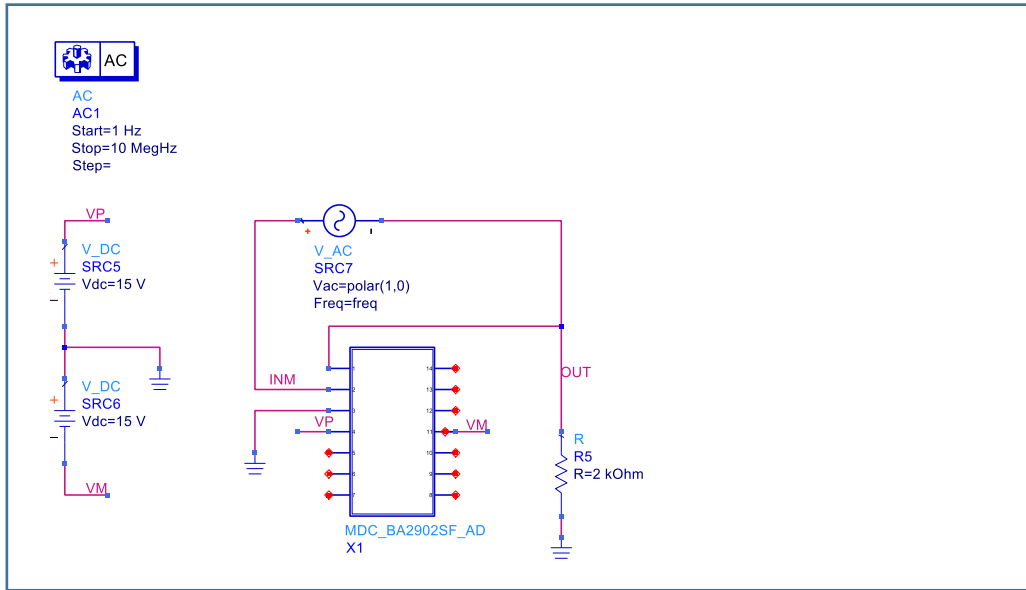      ●Characteristics      Open Loop Gain
                            Input offset voltage
                            Input offset current
                            Input bias current
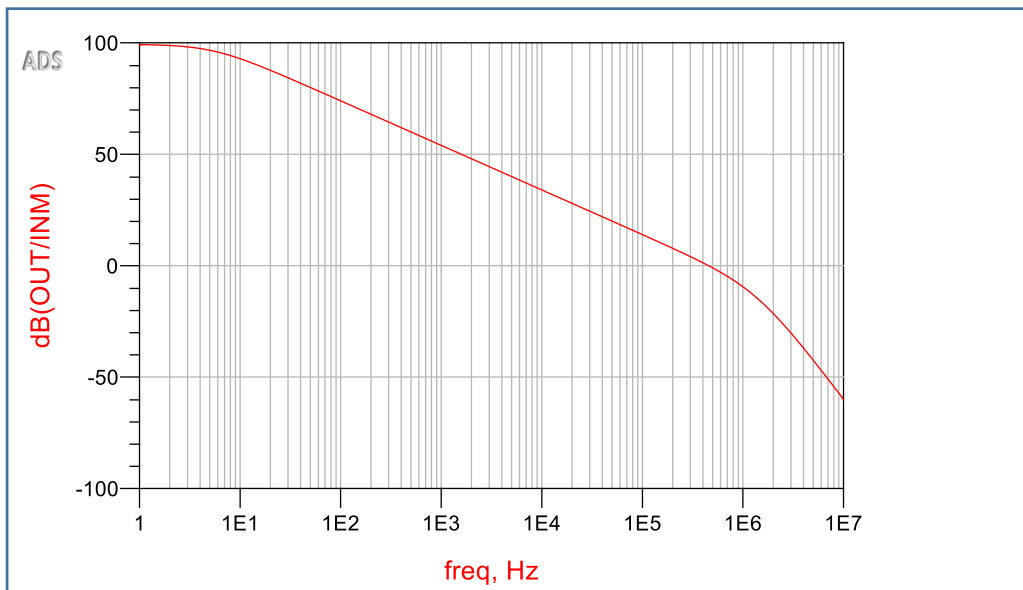                            Output current limit
                            Slew Rate

### Simulation Condition

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

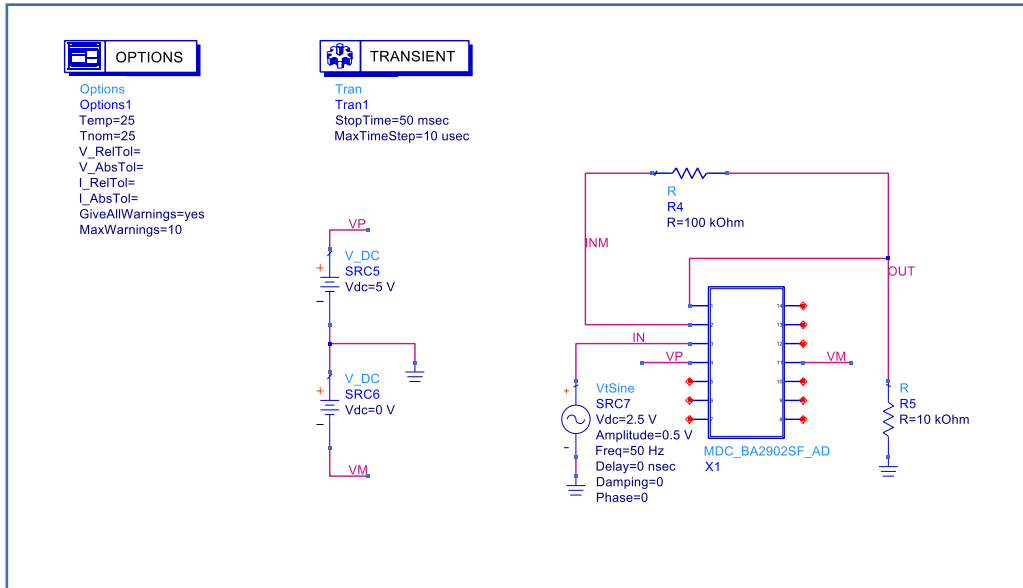| Item | Condition | Unit |
|---|---|---|
| Temperature | 25 | deg C |

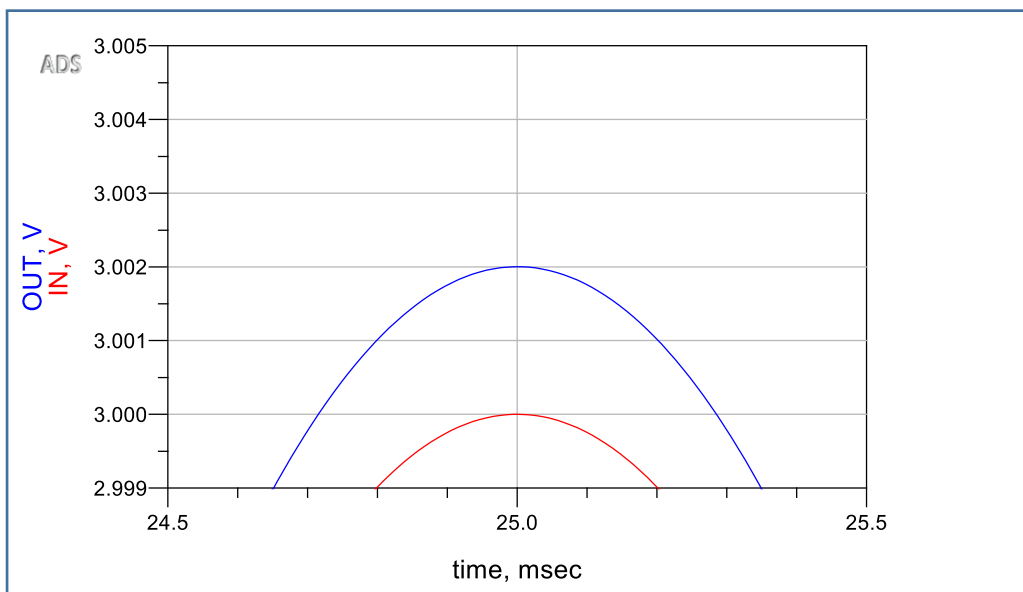## Open Loop Gain
### TestBench



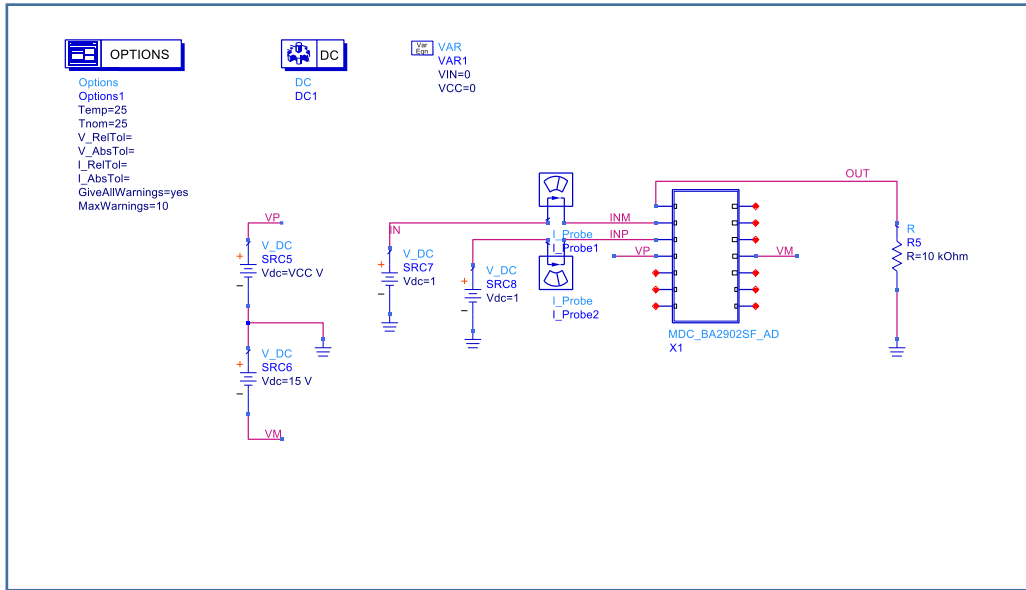Simulation results are following.
Explanatory notes  — : simulated
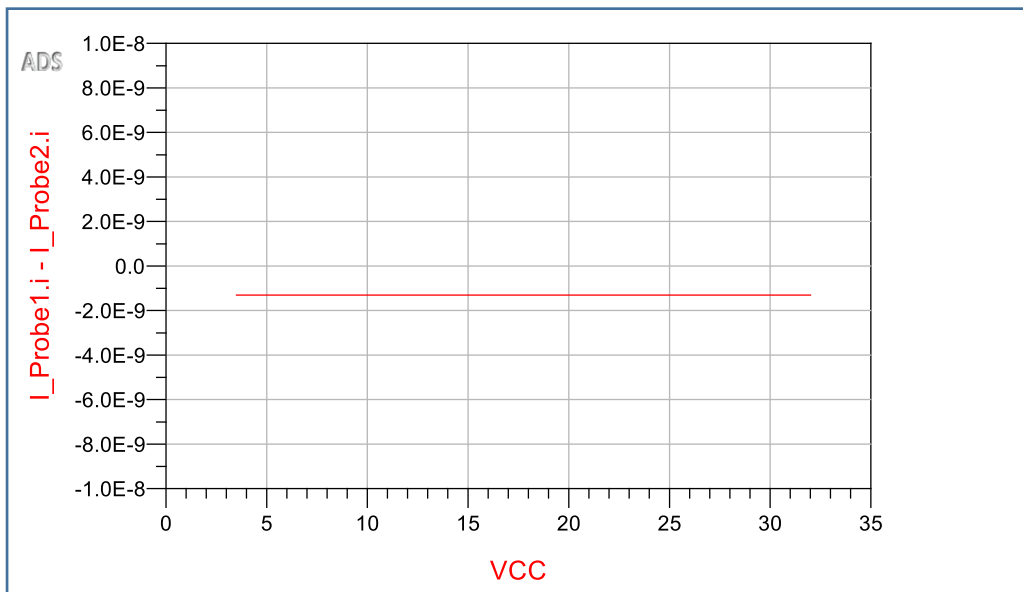
# Input offset voltage
## TestBench



Simulation results are following.
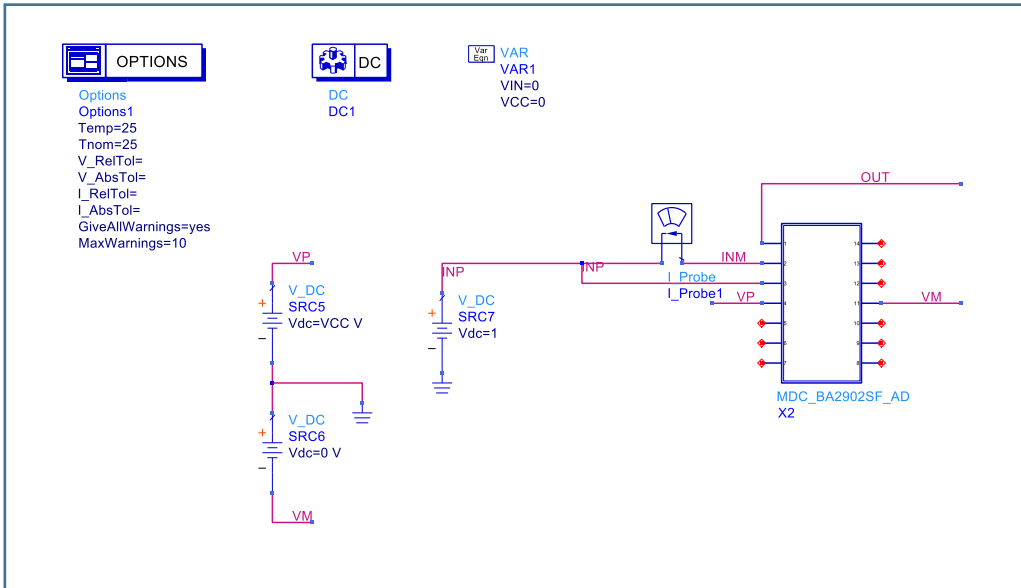Explanatory notes    — : simulated

# Input offset current
## TestBench



Simulation results are following.
Explanatory notes　　— : simulated
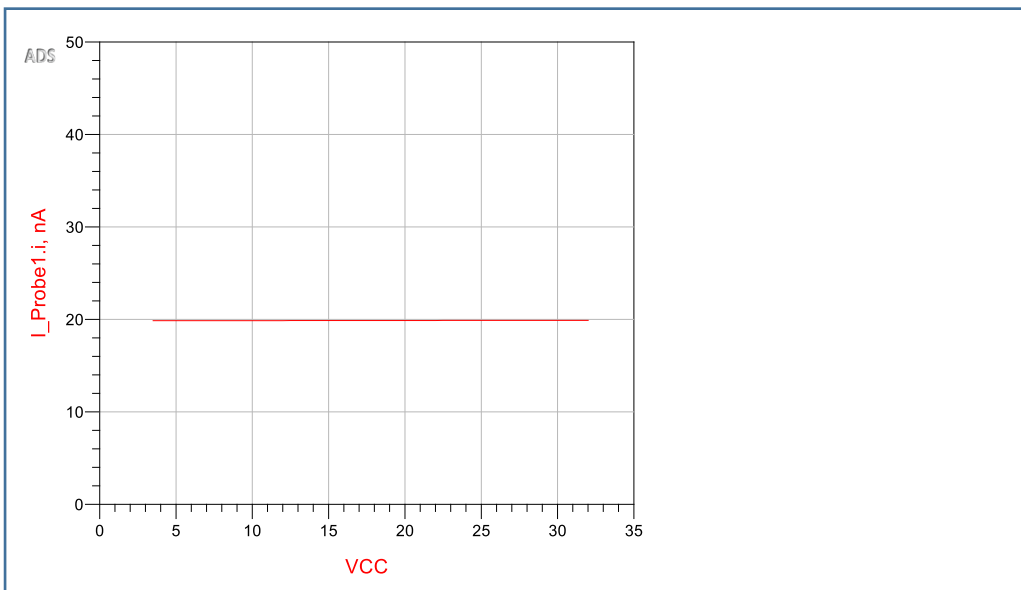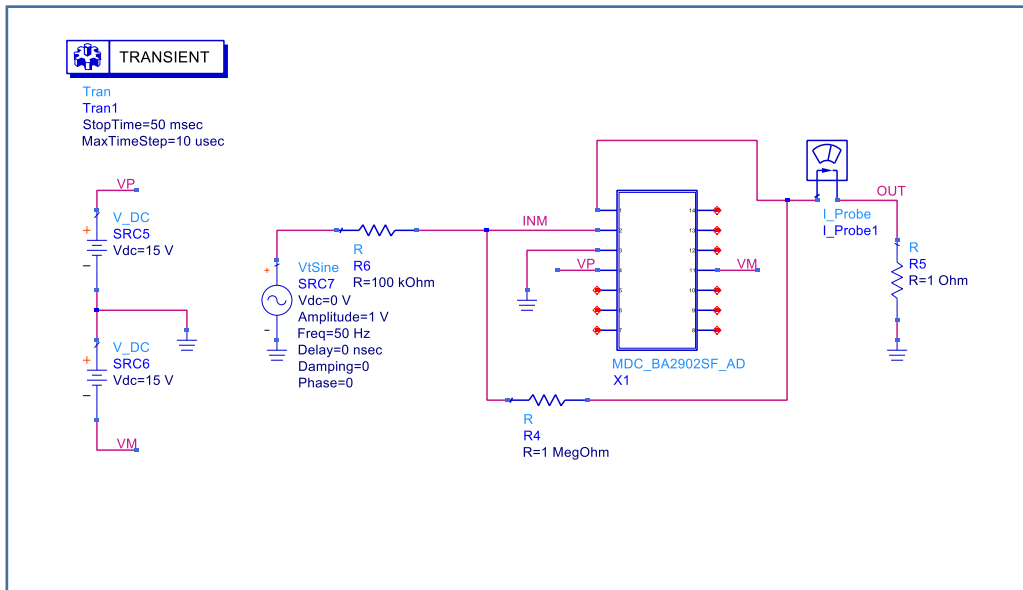
## Input bias current
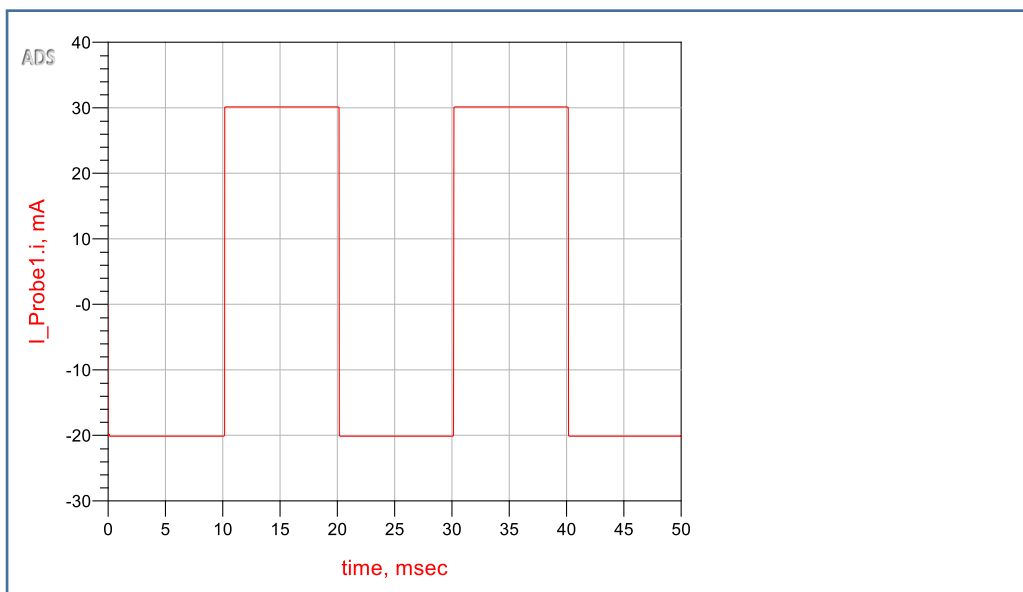### **TestBench**



Simulation results are following.
Explanatory notes　　— : simulated
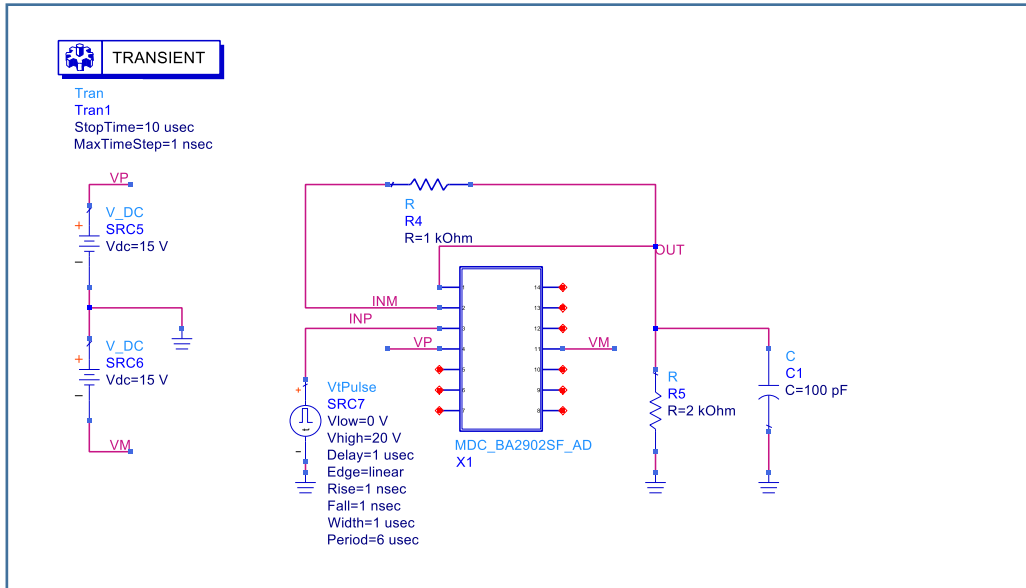
# Output current limit
## TestBench



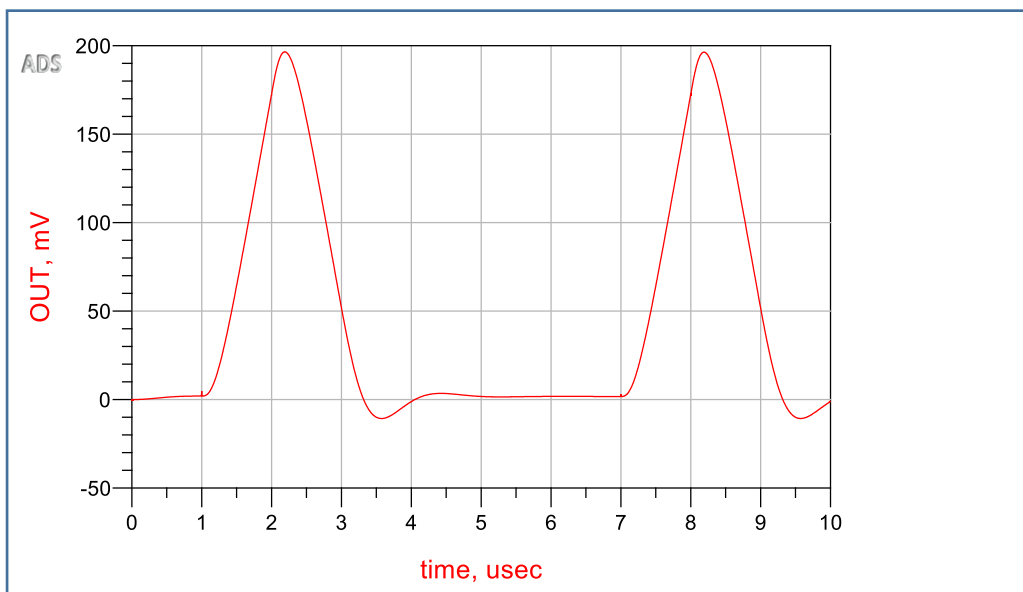Simulation results are following.
Explanatory notes　　— : simulated

## Slew rate
### **TestBench**



Simulation results are following.
Explanatory notes　　— : simulated

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Jul 20,2022
Rev. 1.0