

# LTspice Model

## Operational Amplifier

### TI

### TLV2316IDGKR

#### Model Information

**Model** An original macro model  
**Call Name** MDC\_TLV2316IDGKR\_LT  
**Pin Assign** 1:OUTA 2:-INA 3:+INA 4:V- 5:+INB 6:-INB 7:OUTB 8:V+  
**File List** Model Library MDC\_TLV2316IDGKR\_LT01.lib  
 Model Report MDC\_TLV2316IDGKR\_LT.pdf (this file)

**Verified Simulator Version** LTspice version XVII  
**Note**

#### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version SBOS752A
- Product name TLV2316IDGKR
- Company name Texas Instruments Inc.
- Characteristics GainFreq.[Temp],Input offset voltage,Voltage output swing,Slew rate,Input referred voltage noise

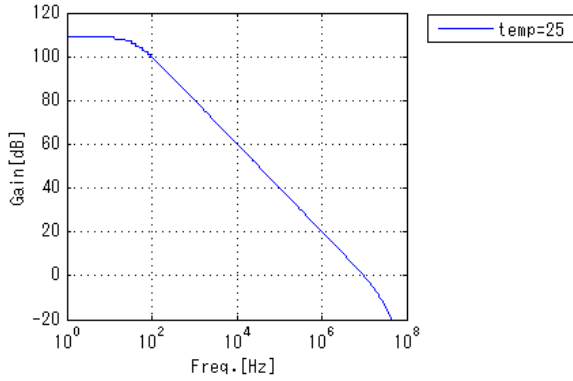
#### Simulation Condition

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

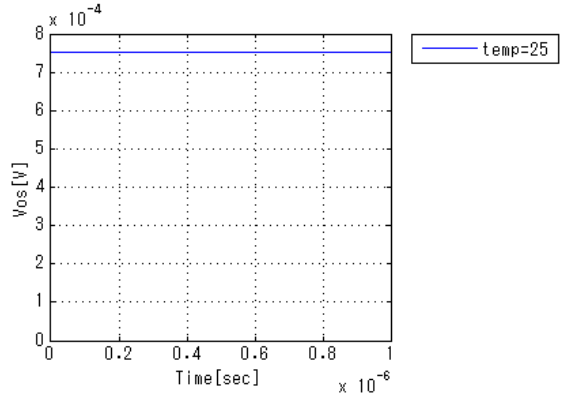
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.  
 Explanatory notes — : simulated

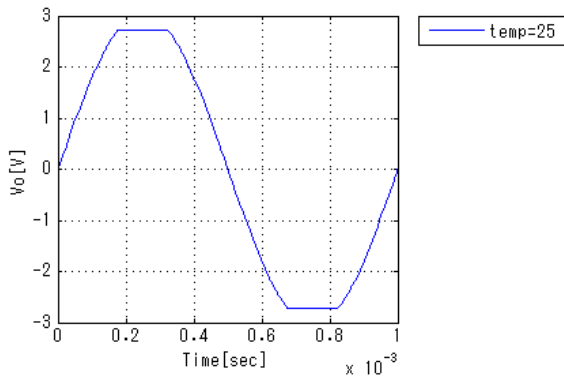
**GainFreq.[Temp]**



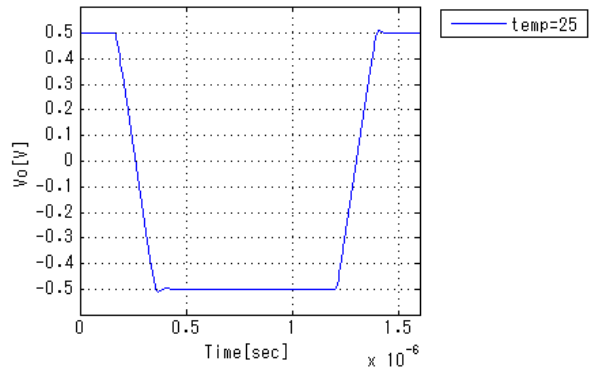
**Input offset voltage**



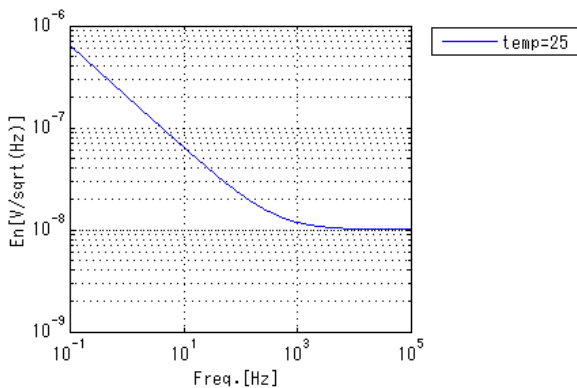
**Voltage output swing**



**Slew rate**



**Input referred voltage noise**



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