

PSpice Model

Operational Amplifier

RENESAS

UPC844

Model Information

Model	An original macro model		
Call Name	MDC_UPC844_PS		
Pin Assign	1:Out 2:In- 3:In+ 4:V- 5:V+		
File List	Model Library	MDC_UPC844_PS01.lib	
	Model Report	MDC_UPC844_PS.pdf (this file)	
Verified Simulator Version	PSpice version 16.6		
Note			

References

The information which was used for modeling is as follow:

[Data Sheet]	
●Date/Version	March 2004
●Product name	UPC844
●Company name	Renesas Electronics Corporation
●Characteristics	GainFreq.[Temp],Slew rate,Voltage output swing,Input offset voltage,Input bias current

Simulation Condition

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

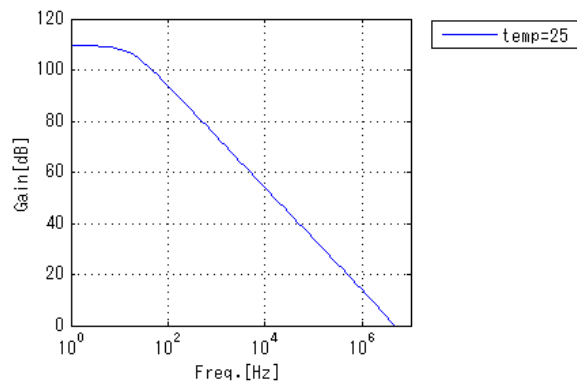
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.

Explanatory notes — : simulated

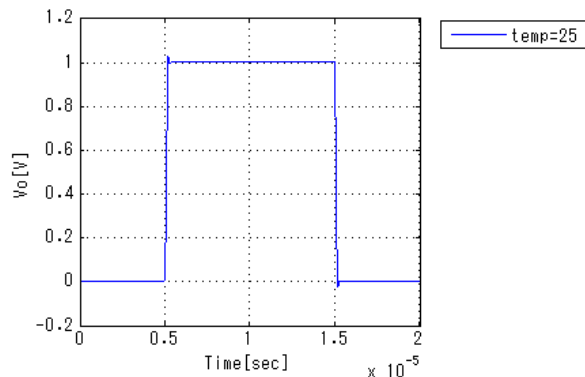
GainFreq.[Temp]

Vs+ = 15V, Vs- = -15V



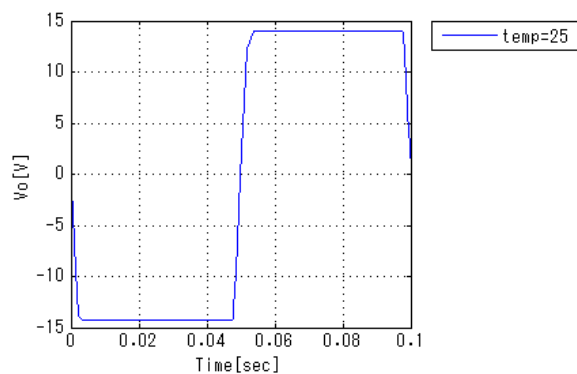
Slew rate

Vs+ = 15V, Vs- = -15V, Gain = 1



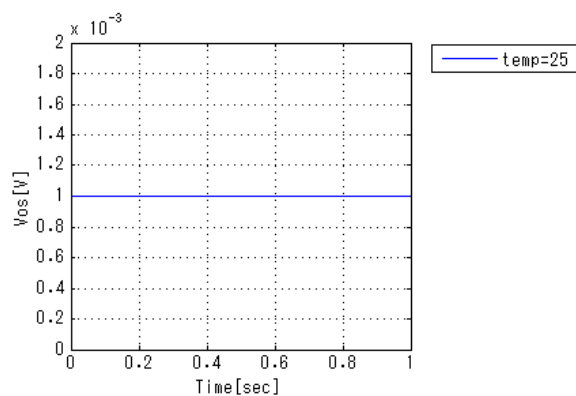
Voltage output swing

Vs+ = 15V, Vs- = -15V, RI = 10000ohm



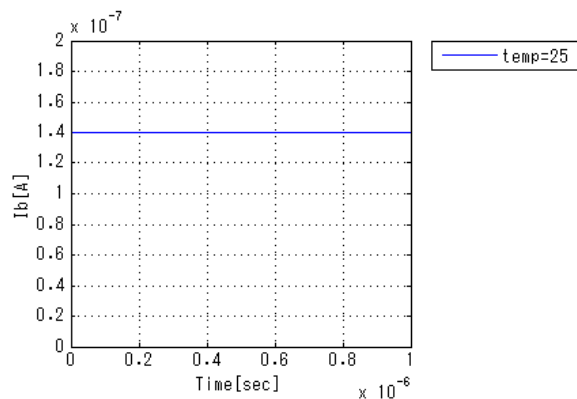
Input offset voltage

Vs+ = 15V, Vs- = -15V



Input bias current

Vs+ = 15V, Vs- = -15V



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MoDeCH Inc.

Head Office

Location: Mitsuiiseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail: model-on-support@modech.co.jp

URL: <http://www.modech.com/en/>