

PSpice Model Operational Amplifier RENESAS **UPC259**

Model Information

	An original macro model MDC_UPC259_PS	
Pin Assign	1:Out 2:In- 3:In+ 4:V- 5:V+	
File List	Model Library	MDC_UPC259_PS01.lib
	Model Report	MDC_UPC259_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

[Data Sheet]	
Date/Version	March 2004
Product name	UPC259
Company name	Renesas Electronics Corporation
Characteristics	GainFreq.[Temp],Slew rate,Voltage output swing,Input offset
	voltage, Input bias current, 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.

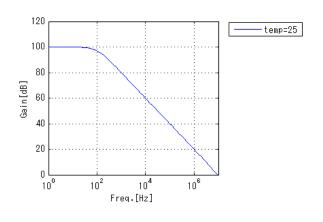
Item	Condition	Unit
Temperature	25	deg C



Simulation results are following. Explanatory notes -: simulated

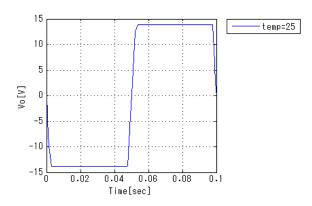
GainFreq.[Temp]

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



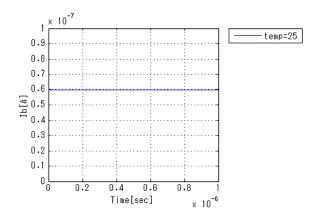
Voltage output swing

Vs+ = 15V, Vs- = -15V, RI = 20000hm



Input bias current

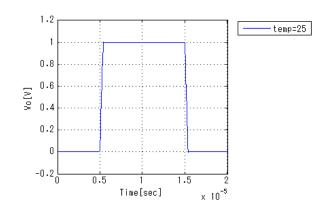
Vs+ = 15V, Vs- = -15V



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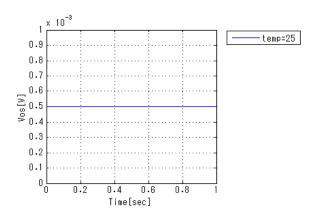
Slew rate

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



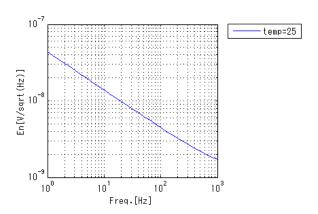
Input offset voltage

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



Input referred voltage noise

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





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