

ADS Model CURRENT SENSOR TAMURA CORPORATION LA17P040S05

Model Information

Model A macro model Call Name MDC_LA17P040S05_AD 1:Vref 2:Vout 3:GND 4:Vcc 5-7:Primary input current(-) 8-10:Primary input current(+) Pin Assign **File List** Model Library MDC_LA17P040S05_AD Model Report MDC_LA17P040S05_AD.pdf(this file) ADS 2023

Verified Simulator Version

Note

References

The information which was used for modeling is as follow:

[Data Sheet] Date/Version Product name

Company name

4/2203 LA17P040S05 TAMURA CORPORATION

[Characteristics listed]		
Characteristics		

Linearity curve(Internal and External reference voltage) Frequency bandwidth Reaction time Response time

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



O:Implemented

× : Not Implemented

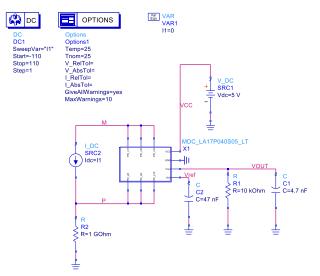
		—: Not applicable	
Model Functions Table	I Functions Table RANK=1		
Functions	RANK	Implemented	
Linearity curve	1	0	
Consumption current	1	0	
Internal reference voltage	1	0	
Frequency bandwidth	1	0	
Reaction time	1	0	
Response time	1	0	



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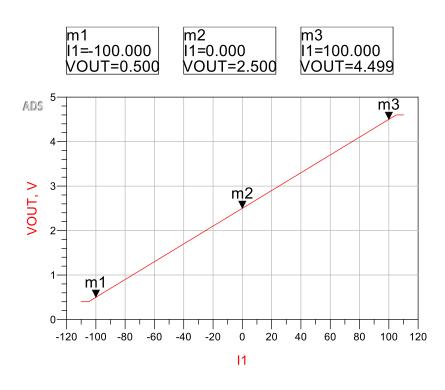
Linearity curve Testbench(Internal reference voltage)

Referred to Data Sheet



Simulation results are following. Explanatory notes — : simulated

Linearity curve(Internal reference voltage)

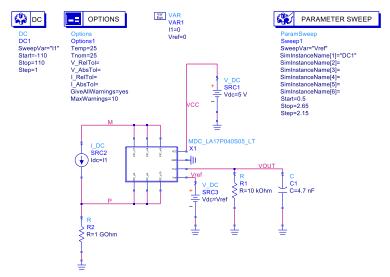






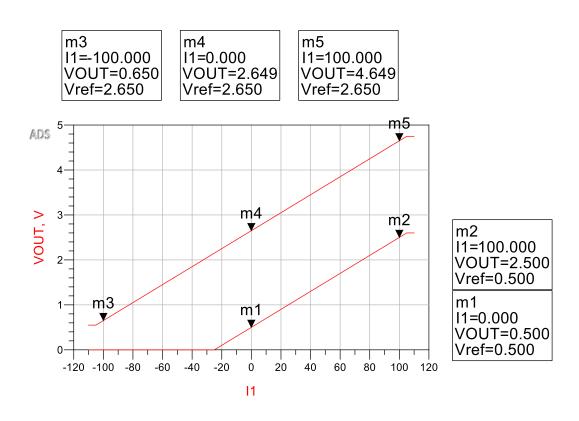
Linearity curve Testbench(External reference voltage)

Referred to Data Sheet



Simulation results are following. Explanatory notes — : simulated

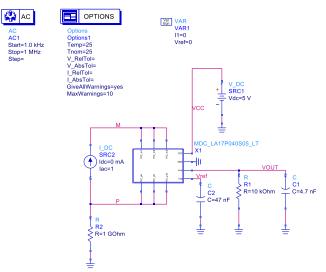
Linearity curve(External reference voltage)





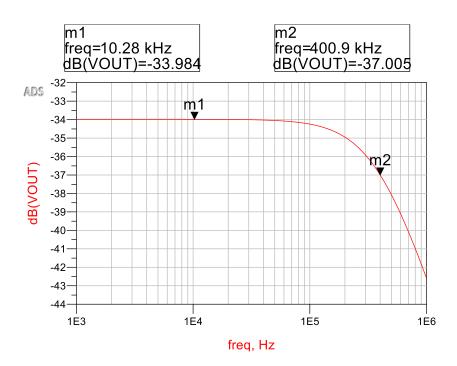
Frequency bandwidth Testbench

Referred to Data Sheet



Simulation results are following. Explanatory notes -: simulated

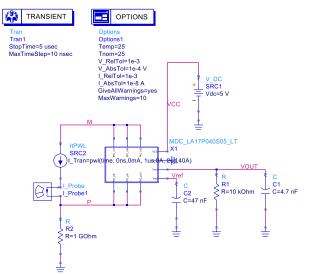
Frequency bandwidth





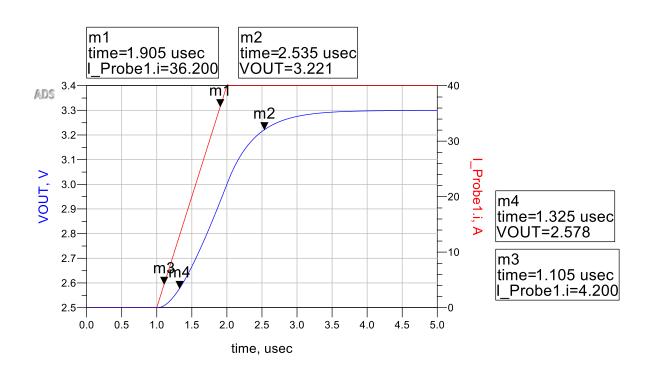
Reaction and Response time Testbench

Referred to Data Sheet



Simulation results are following. Explanatory notes — : simulated

Reaction and Response time





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