

LTspice Model High Speed Current Sensor AsahiKASEI CQ-2065

Model Information

Model	A macro mode	l	
Call Name	MDC_CQ-2065_LT		
Pin Assign	1:DATA_IO 2:VDD 3:VSS 4:VOUT 5:SCLK 6:P 7:N		
File List	Model Library	MDC_CQ-2065_LT01.lib	
	Model Report	MDC_CQ-2065_LT.pdf(this file)	
Verified Simulator Version		LTspiceXVII	

Note

References

The information which was used for modeling is as follow:

[Data Sheet]

Date/Version	MS1264-J-05 2013/06	
Product name	CQ-2065	
Company name	AsahiKASEI	

[Characteristics listed]	
Characteristics	

Simulation Condition

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

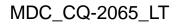
IIN-VOUT I_{DD} t_r t_f f_T

Item	Condition	Unit
Temperature	25	deg C



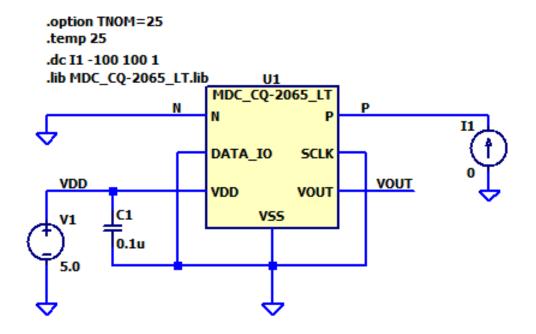
Model Functions Table

Functions	Implemented
V _{OUT}	0
I _{DD}	0
t _r t _f	0
f _T	0

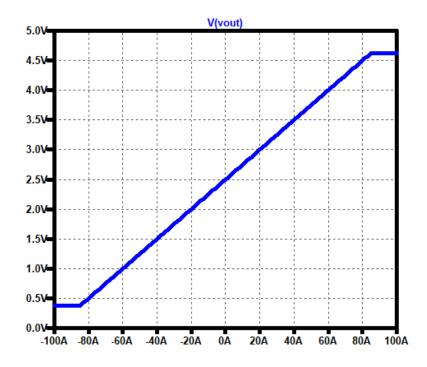




I_{IN}-V_{OUT} TestBench Referred to Data Sheet



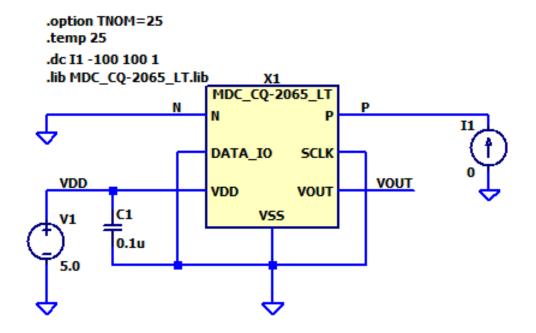
Simulation results are following. Explanatory notes -: simulated



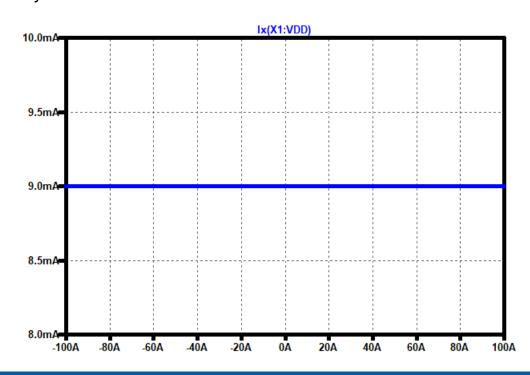
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I_{DD} TestBench Referred to Data Sheet

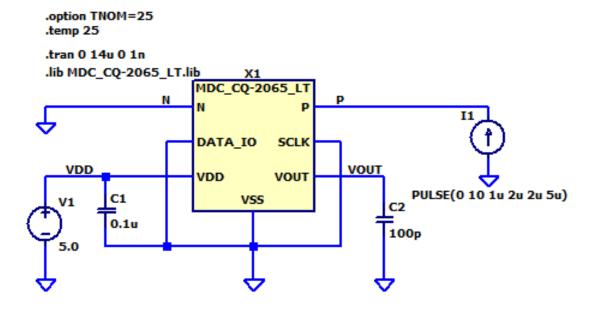


Simulation results are following. Explanatory notes -: simulated

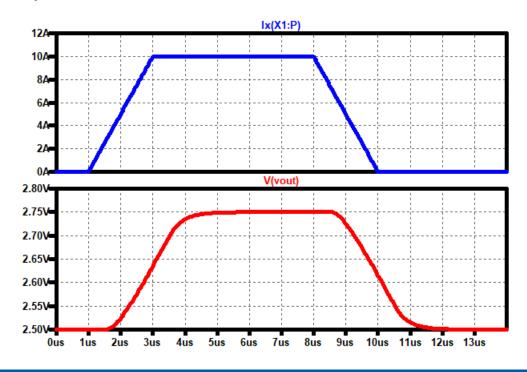




t_r t_f TestBench Referred to Data Sheet



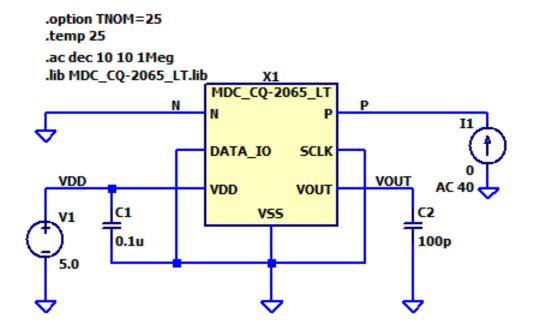
Simulation results are following. Explanatory notes -: simulated



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f_TTestBench Referred to Data Sheet



Simulation results are following. Explanatory notes -: simulated

> V(vout) 0dB -1dB -2dB -3dB -4dB -5dB -6dB -7dB -8dB -9dB -10dB 1KHz 10KHz 1MHz 100Hz 100KHz 10Hz

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