

LTspice Model LDO ON Semiconductor MC79M08BDTRKG

Model Information

Model	A macro model		
Call Name	MDC_MC79M08BDTRKG_LT		
Pin Assign	1:Ground 2:Input 3:Output		
File List	Model Library MDC_MC79M08BDTRKG_LT01.lib		
	Model Report MDC_MC79M08BDTRKG_LT.pdf(this file)		

Verified Simulator Version

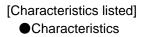
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

July, 2013 - Rev. 15
MC79M08BDTRKG
ON Semiconductor



V_{IN}-V_{OUT} Line Regulation Load Regulation Dropout Voltage

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



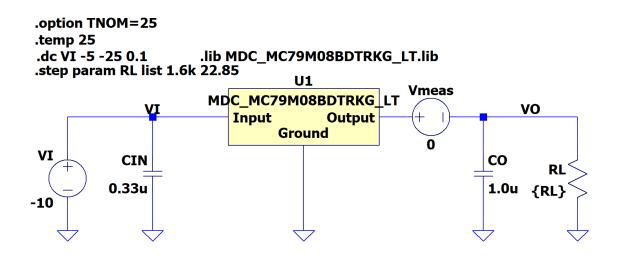
Model Functions Table

Functions	Implemented
V _{IN} -V _{OUT}	0
Line Regulation	0
Load Regulation	0
Dropout Voltage	0



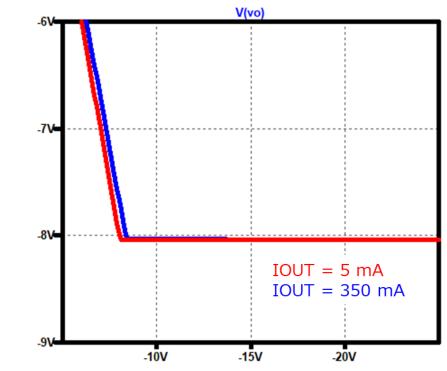
V_{IN}-V_{OUT} Testbench

Referred to Data Sheet



Simulation results are following. Explanatory notes — : simulated

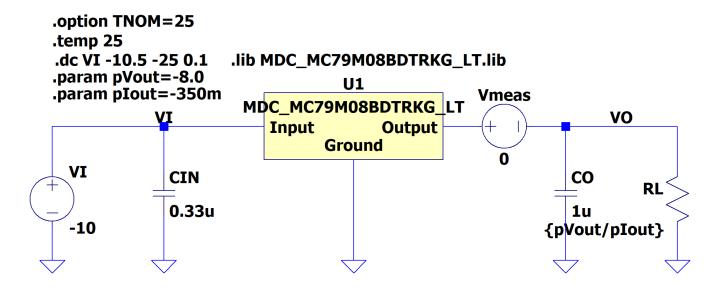






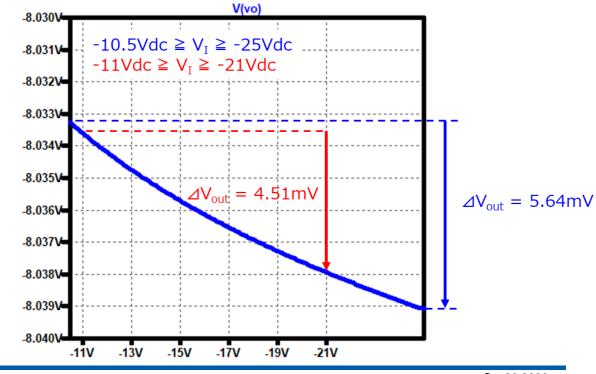
Line Regulation Testbench

Referred to Data Sheet



Simulation results are following. Explanatory notes -: simulated

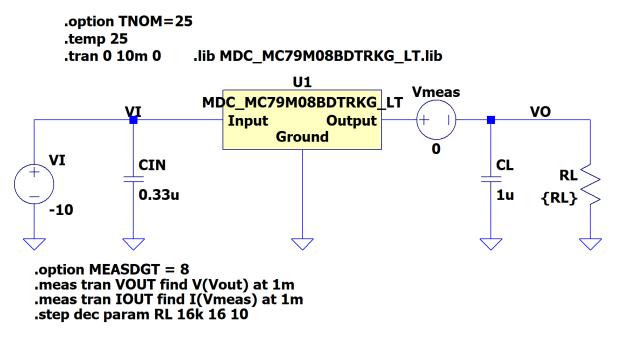
Line Regulation





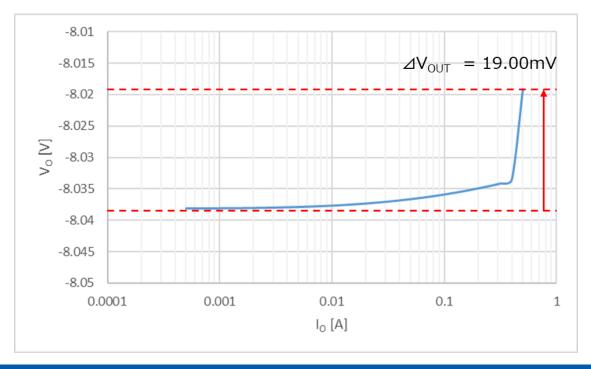
Load Regulation Testbench

Referred to Data Sheet



Simulation results are following. Explanatory notes -: simulated

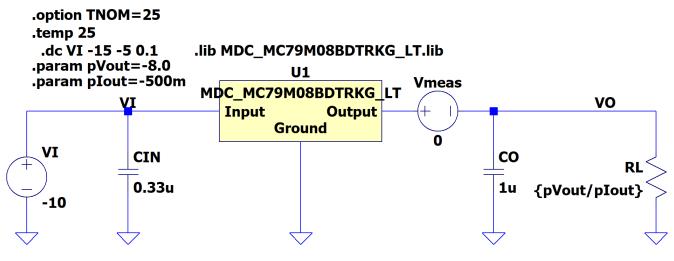
Load Regulation





Dropout Voltage Testbench

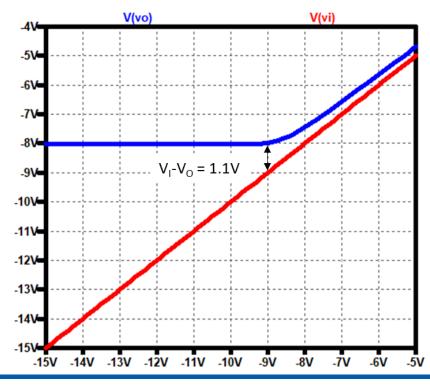
Referred to Data Sheet



.meas DC Vdiff FIND V(VIN)-V(VOUT) WHEN V(VOUT)=-8.0 .meas DC Iout FIND I(Vmeas) WHEN V(VOUT)=-8.0

Simulation results are following. Explanatory notes — : simulated

Dropout Voltage



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