

LTspice Model Buck Converter RICHTEK RTQ2102A-QA

Model Information

Model An original macro model
Call Name MDC_RTQ2102A-QA_LT
Pin Assign 1:EN 2:PGND 3:AGND 4:FB 5:VOS 6:PGOOD 7:LX 8:VIN 9:Exposed Pad
File List Model Library MDC_RTQ2102A-QA_LT01.lib
 Model Report MDC_RTQ2102A-QA_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version DSQ2102A-QA-00 June 2017
- Product name RTQ2102A-QA
- Company name Richtek Technology Corporation
- Characteristics Transient, Line regulation, Load regulation

Simulation Condition

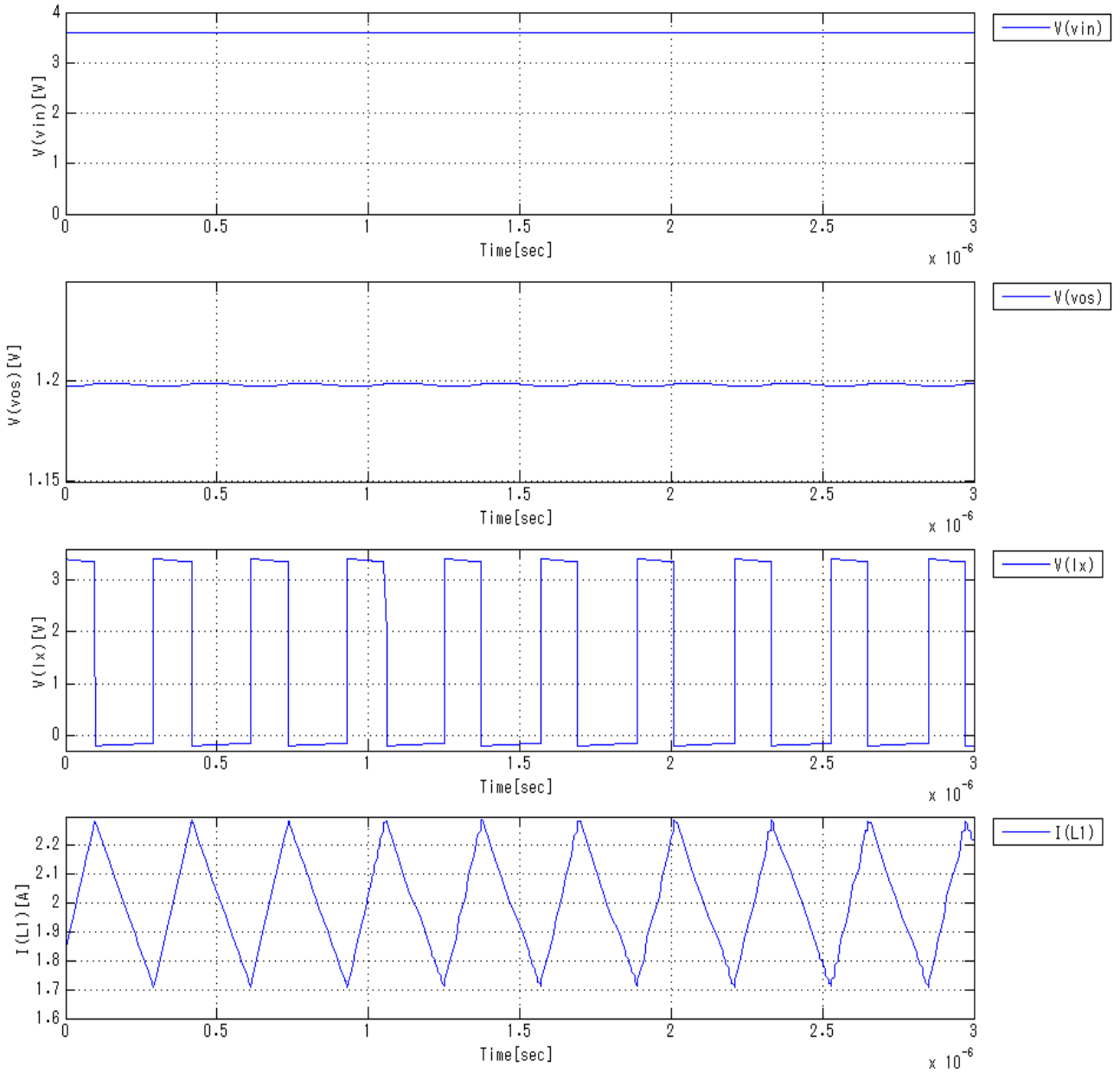
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
Explanatory notes — : simulated

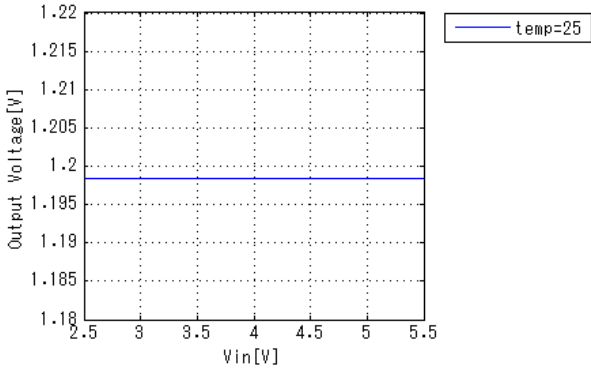
Transient

Temp. = 25deg C

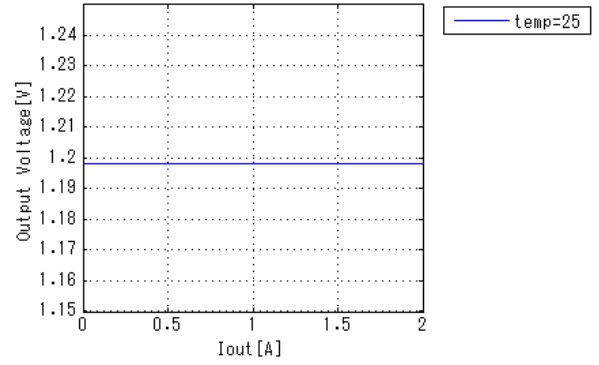


Simulation results are following.
Explanatory notes — : simulated

Line regulation



Load regulation



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