LTspice Model
Full Bridge Controller
TI
UCC28951QPWRQ1

Model Information

Model An original macro model
Call Name MDC_UCC28951QPWRQ1_LT
Pin Assign 1:VREF 2:EA+ 3: EA- 4:COMP 5:SS/EN 6:DELAB 7:DELCD 8:DELEF 9:TMIN 10:RT 11:RSUM
12:DCM 13:ADELEF 14:ADEL 15:CS 16:SYNC 17:OUTF 18:OUTE 19:OUTD 20:OUTC 21:OUTB
22:OUTA 23:VDD 24:GND
File List Model Library   MDC_UCC28951QPWRQ1_LT01.lib
           Model Report   MDC_UCC28951QPWRQ1_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   OCTOBER 2016-EVISED FEBRUARY 2018
             ●Product name   UCC28951QPWRQ1
             ●Company name   Texas Instruments Inc.
             ●Characteristics   Transient,Transient2,Transient3

Simulation Condition

This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.
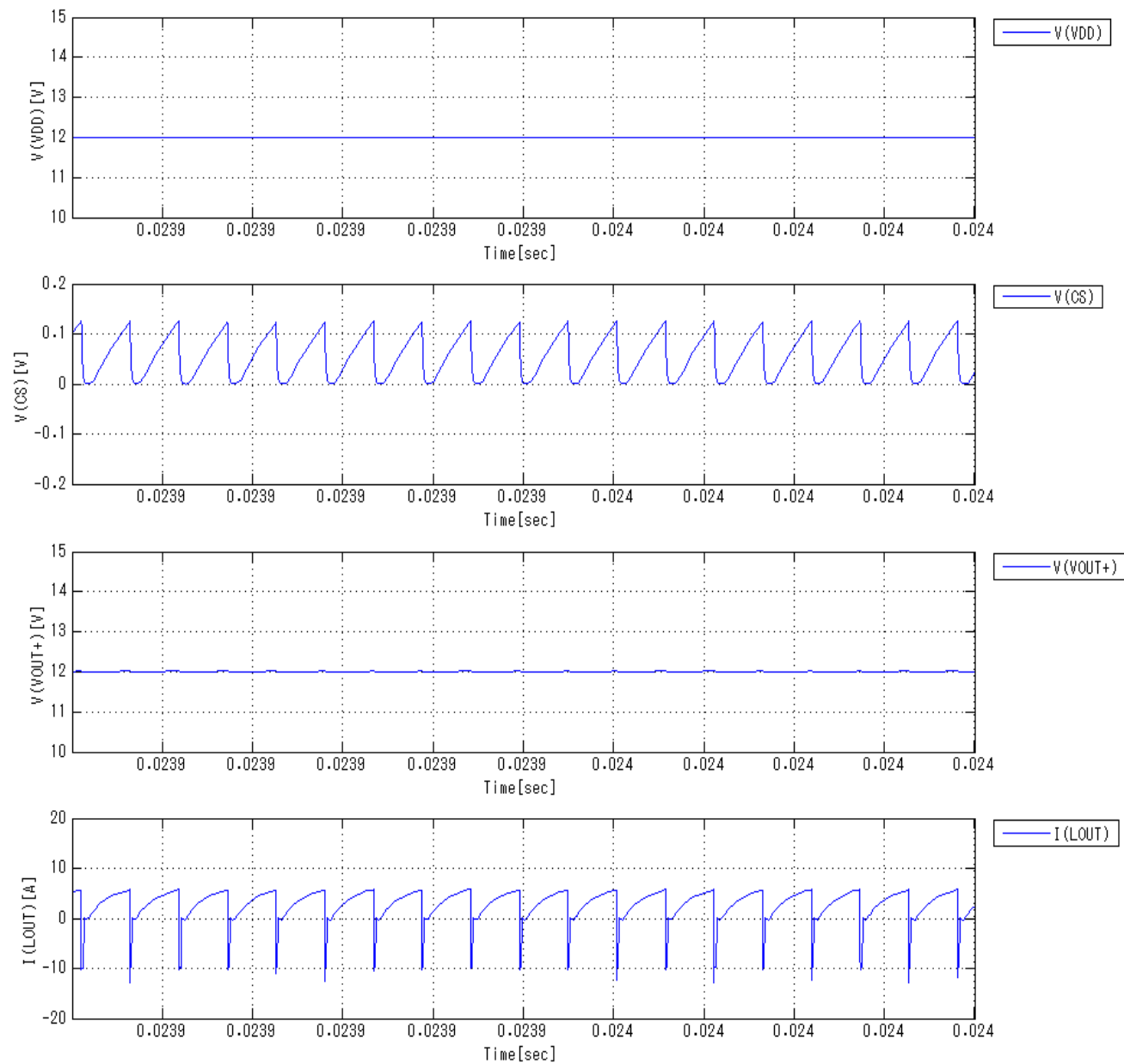
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
Explanatory notes 　—：simulated
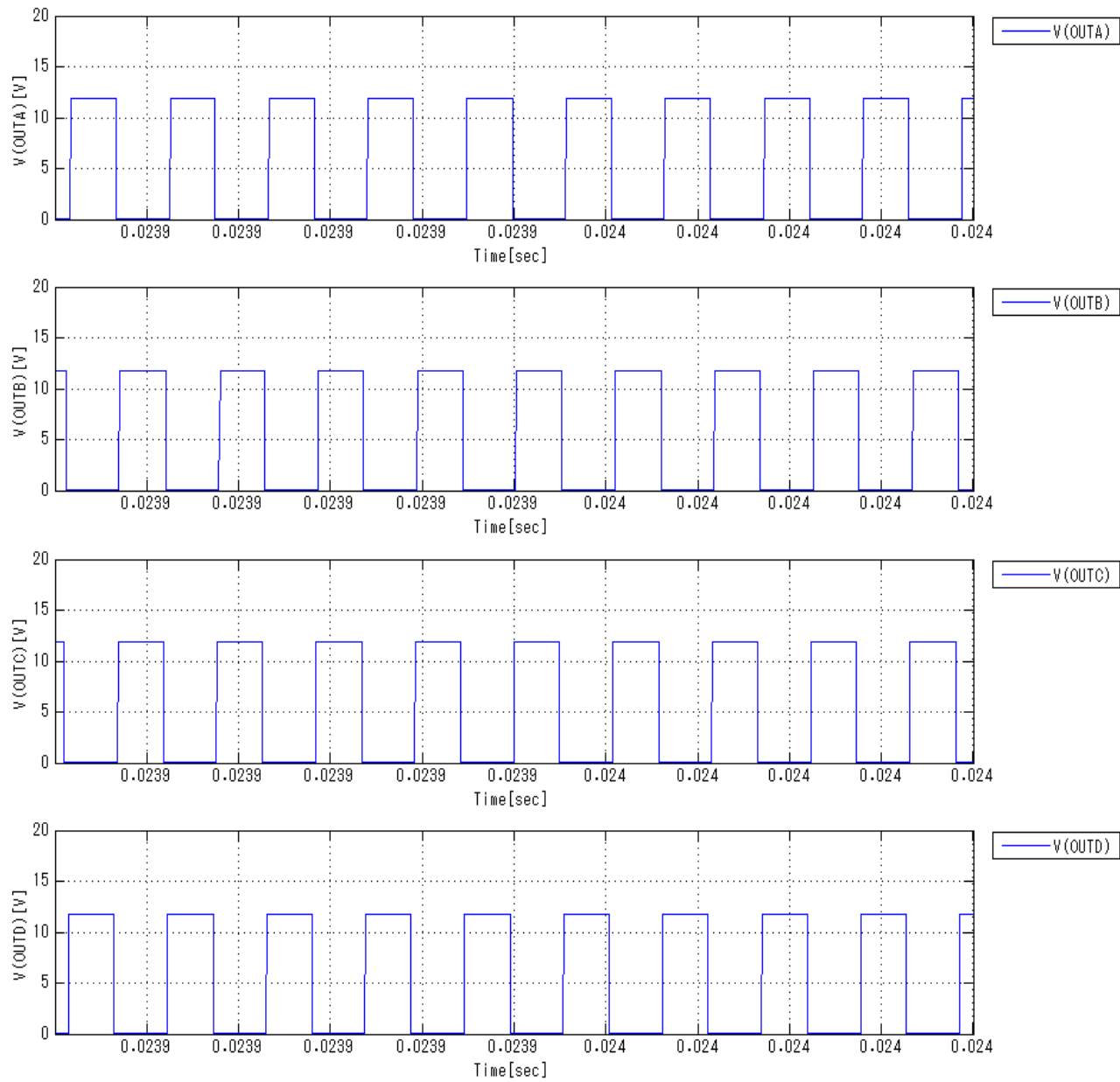
Transient

Temp. = 25deg C

Simulation results are following.
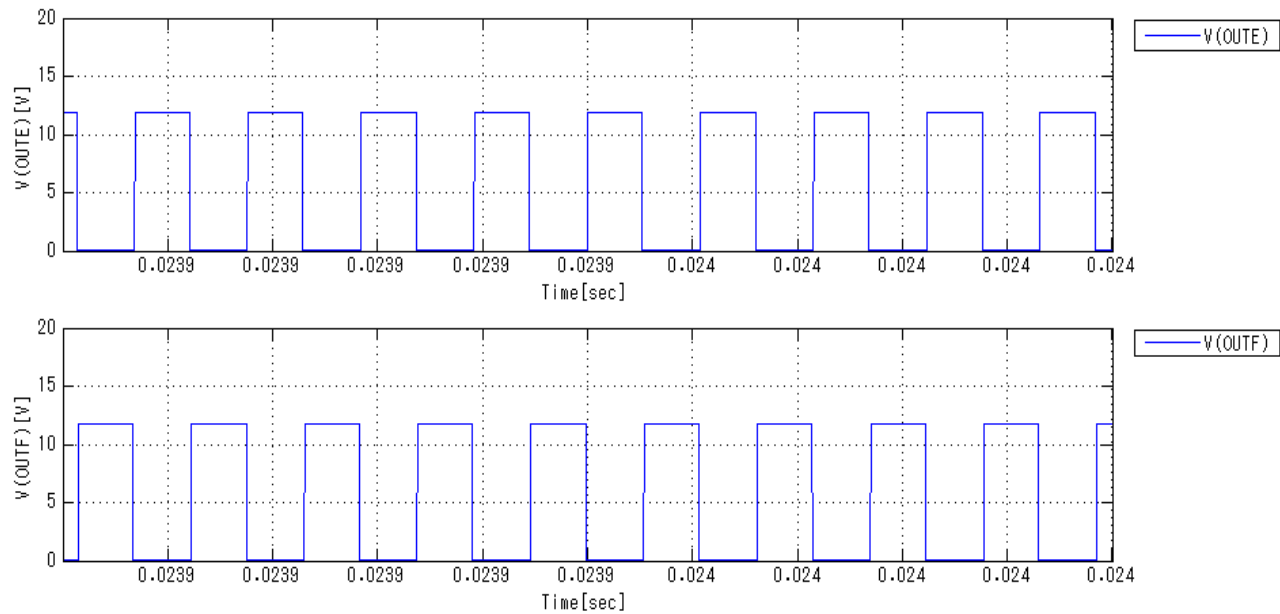Explanatory notes 　― : simulated

Transient2

Temp. = 25deg C

Simulation results are following.
Explanatory notes 　 － : simulated

Transient3

Temp. = 25deg C

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June 22, 2020
Rev. 1.0