

LTspice Model

Boost PFC Controller

Texas Instruments Inc.

UCC28180

Model Information

Model An original macro model
Call Name MDC_UCC28180_LT
Pin Assign 1:GND 2:ICOMP 3:ISENSE 4:FREQ 5:VCOMP 6:VSENSE 7:VCC 8:GATE
File List Model Library MDC_UCC28180_LT03.lib
 Model Report MDC_UCC28180_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 Unknown
- Product name UCC28180
- Company name Texas Instruments Inc.
- Characteristics Transient

Simulation Condition

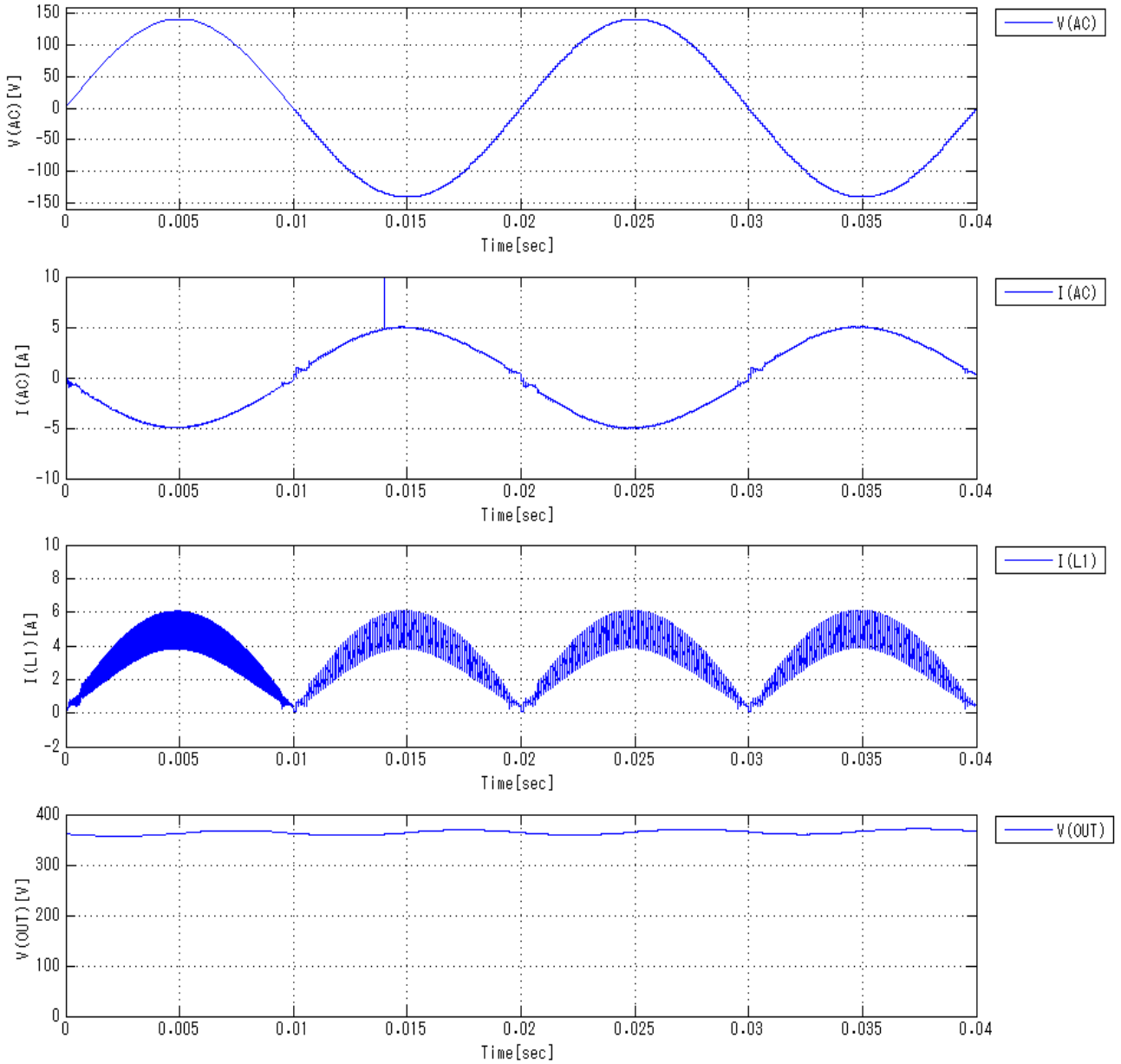
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

| Item | Condition | Unit |
|-------------|-----------|-------|
| Temperature | 25 | deg C |

Simulation results are following.
Explanatory notes — : simulated

Transient

Temp. = 25deg C



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MoDeCH Inc.

Head Office

Location: Mitsui-seimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail: model-on-support@modech.co.jp

URL: <http://www.modech.com/en/>