

PSpice Model

LDO (Low Drop Out)

Infineon Technologies AG

TLE42694G

Model Information

Model An original macro model
Call Name MDC_TLE42694G_PS
Pin Assign 1:I 2:SI 3:RADJ 4:D 5:GND 6:RO 7:SO 8:Q
File List Model Library MDC_TLE42694G_PS01.lib
 Model Report MDC_TLE42694G_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Unknown
- Product name TLE42694G
- Company name Infineon Technologies AG
- Characteristics Transient Reset, Transient Sense, Dropout Voltage vs. Output Current, Line regulation, Load regulation

Simulation Condition

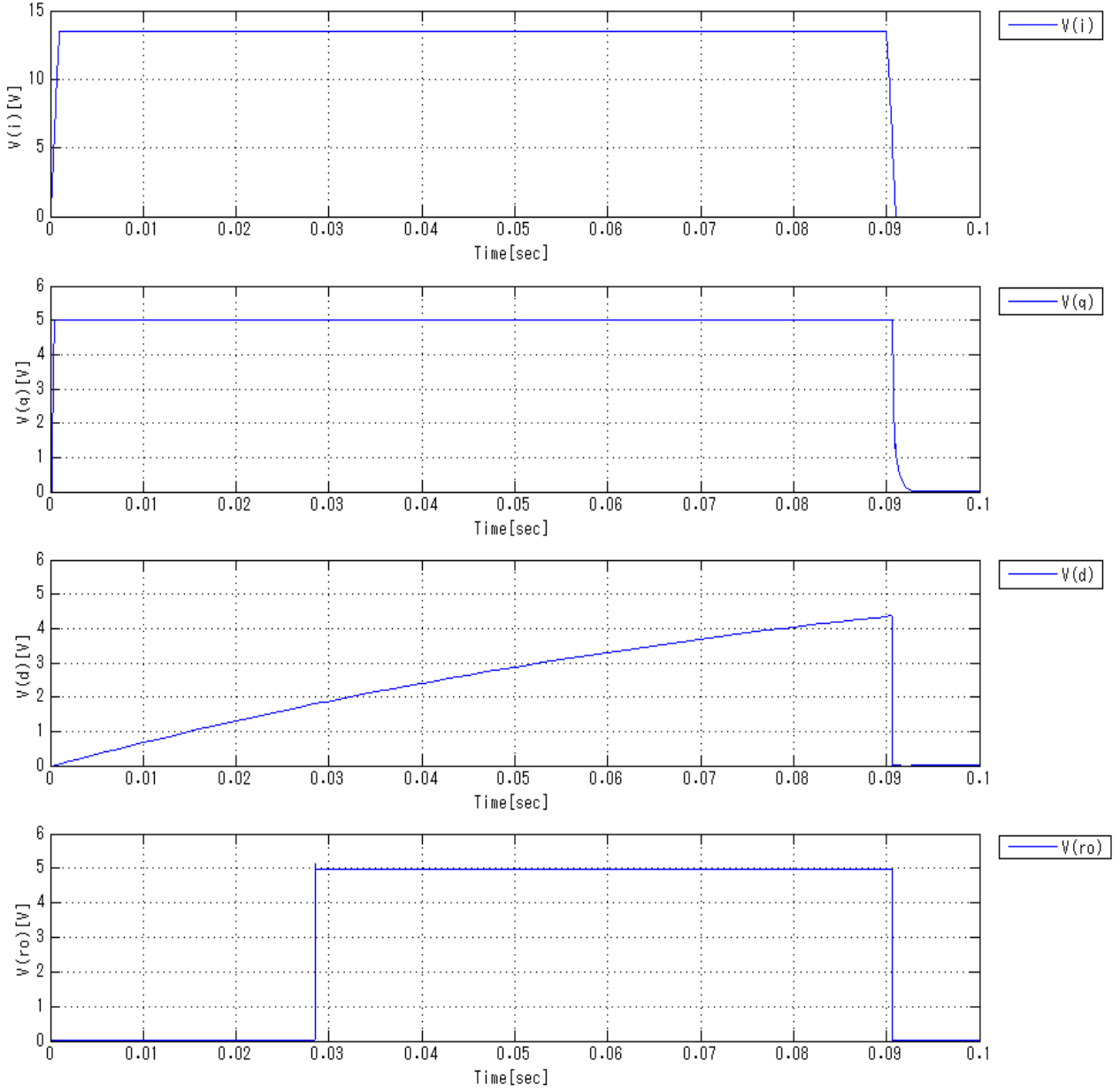
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
Explanatory notes — : simulated

Transient Reset

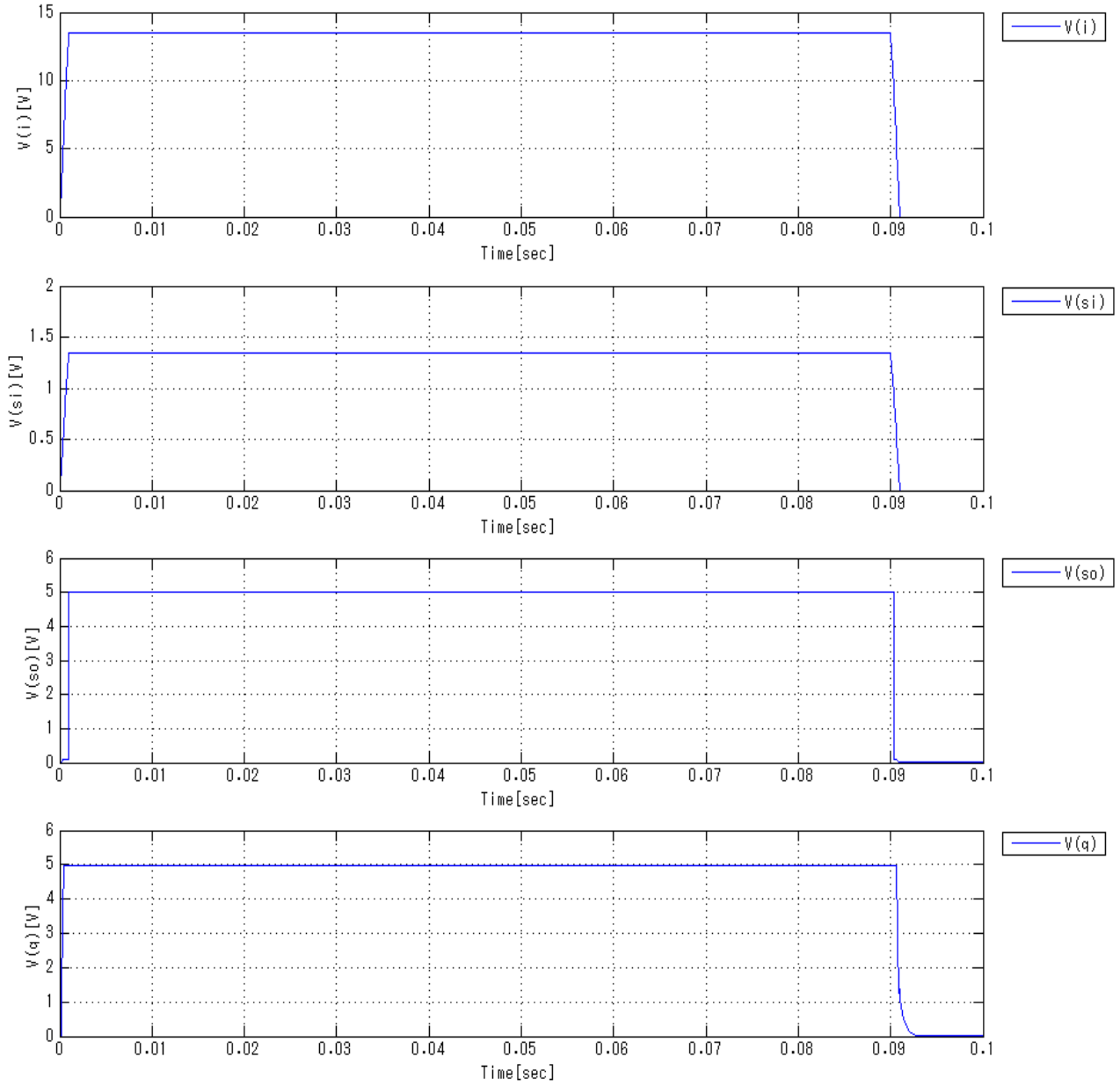
Temp. = 25deg C



Simulation results are following.
Explanatory notes — : simulated

Transient Sense

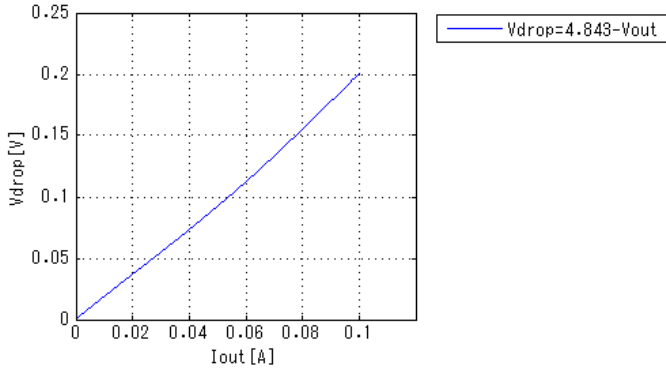
Temp. = 25deg C



Simulation results are following.
 Explanatory notes — : simulated

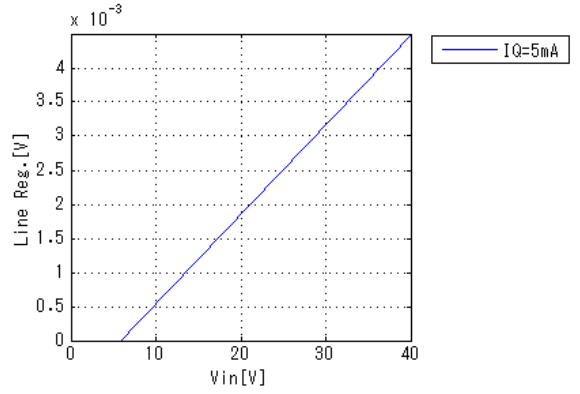
Dropout Voltage vs. Output Current

Temp. = 25deg C



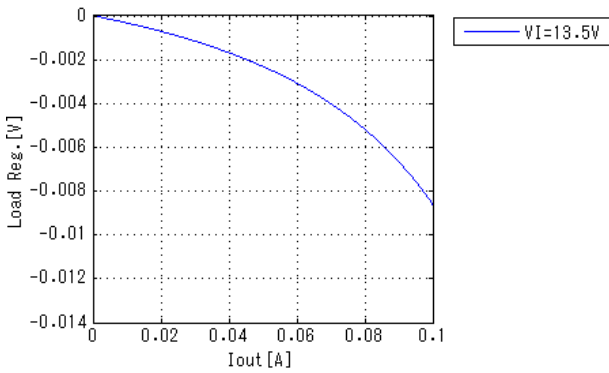
Line regulation

Temp. = 25deg C



Load regulation

Temp. = 25deg C



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