

# LTspice Model

## LDO (Low Drop Out)

### Infineon Technologies AG

#### TLE42694G

### Model Information

**Model** An original macro model  
**Call Name** MDC\_TLE42694G\_LT  
**Pin Assign** 1:I 2:SI 3:RADJ 4:D 5:GND 6:RO 7:SO 8:Q  
**File List** Model Library MDC\_TLE42694G\_LT01.lib  
Model Report MDC\_TLE42694G\_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 TLE42694G
- Company name Infineon Technologies AG
- Characteristics Transient Reset, Transient Sense, Dropout Voltage vs. Output Current, Line regulation, Load regulation

### Simulation Condition

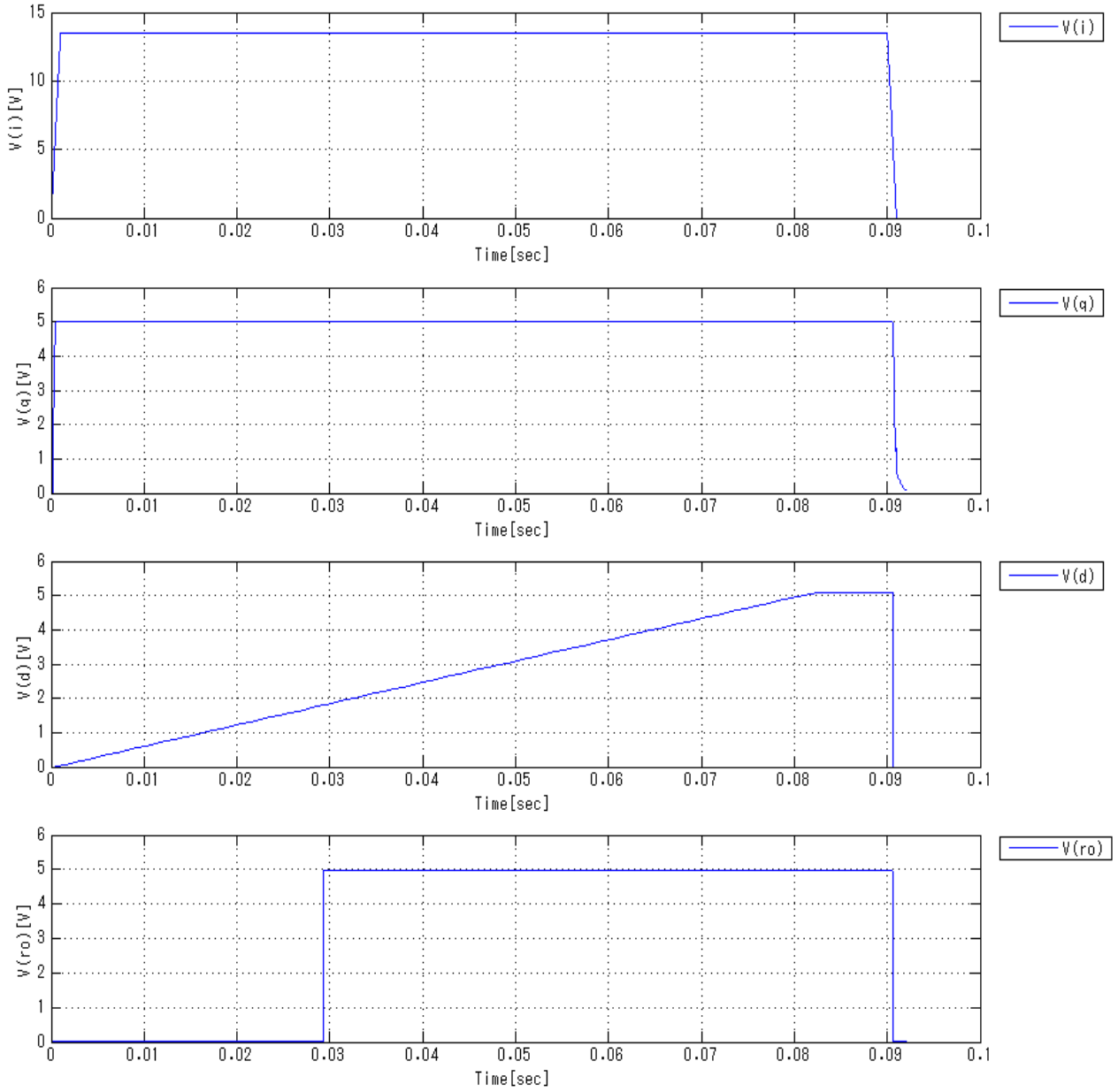
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.  
Explanatory notes — : simulated

### Transient Reset

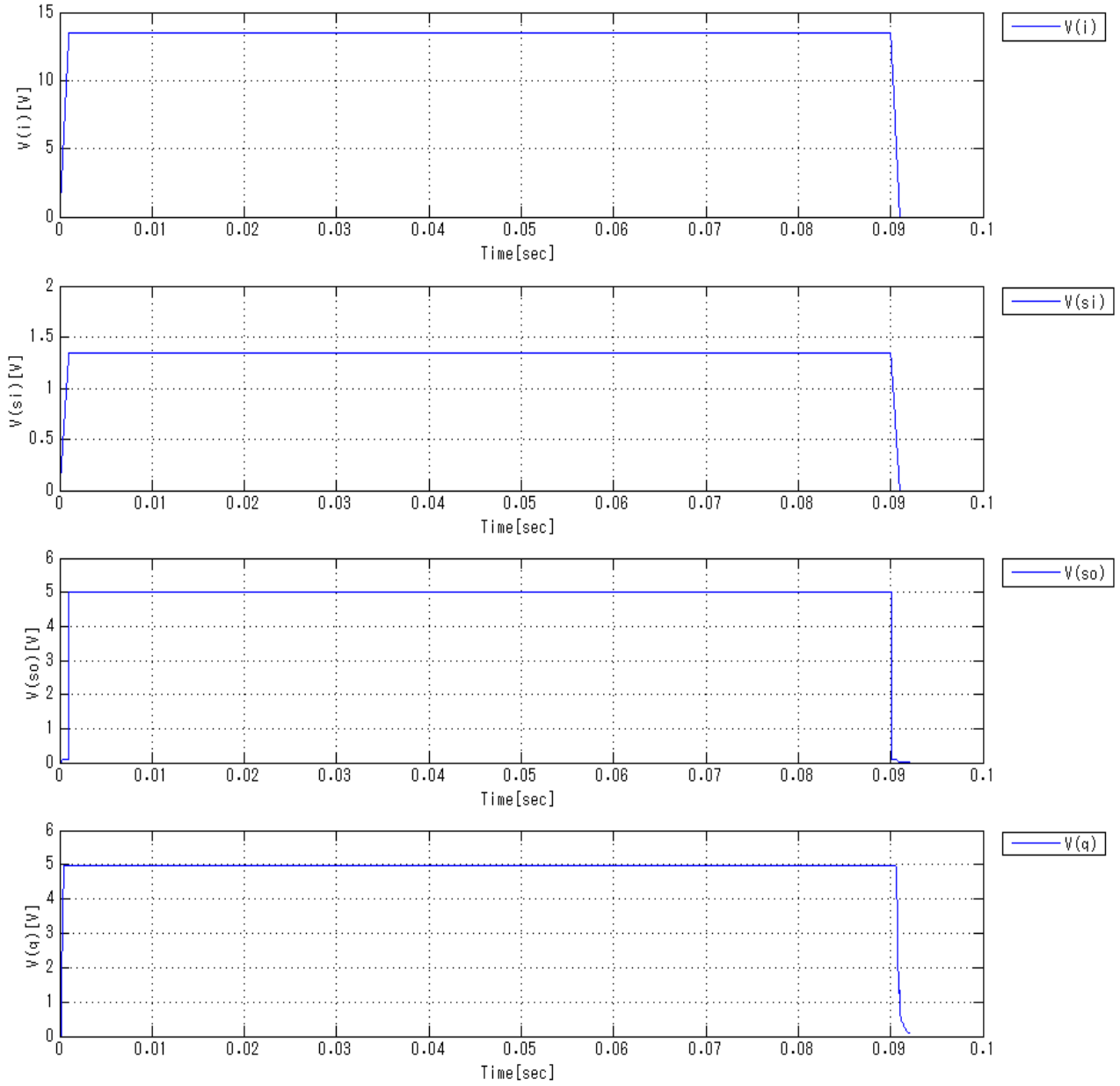
Temp. = 25deg C



Simulation results are following.  
Explanatory notes — : simulated

### Transient Sense

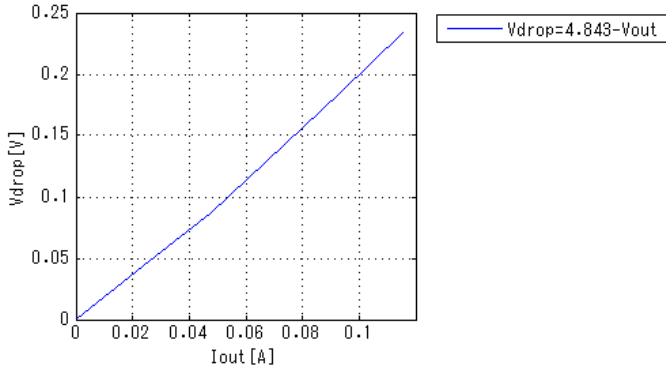
Temp. = 25deg C



Simulation results are following.  
 Explanatory notes — : simulated

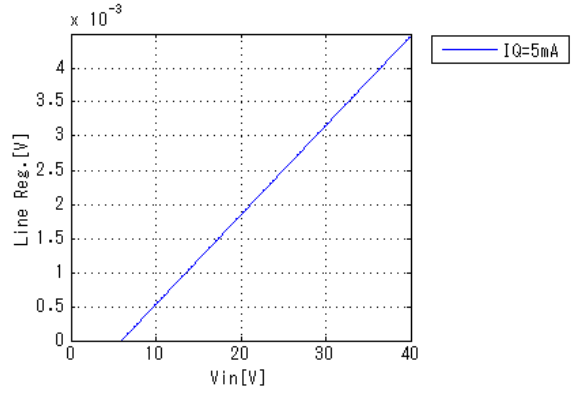
**Dropout Voltage vs. Output Current**

Temp. = 25deg C



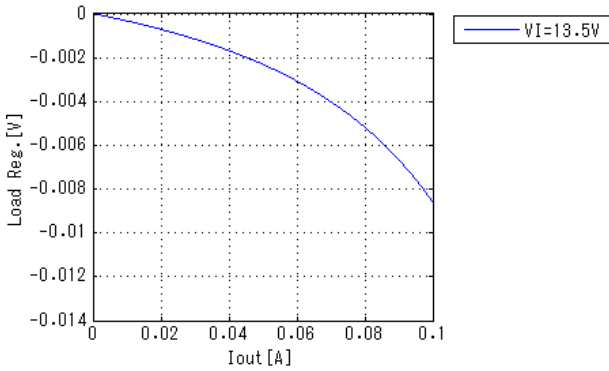
**Line regulation**

Temp. = 25deg C



**Load regulation**

Temp. = 25deg C



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