

# LTspice Model

## LDO (Low Drop Out)

### Infineon

## TLS850F1TAV50

### Model Information

**Model** An original macro model  
**Call Name** MDC\_TLS850F1TAV50\_LT  
**Pin Assign** 1:I 2:EN 3:RO/WO 4:GND 5:RADJ 6:WI 7:Q  
**File List** Model Library MDC\_TLS850F1TAV50\_LT01.lib  
 Model Report MDC\_TLS850F1TAV50\_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 Rev. 1.0
- Product name TLS850F1TAV50
- Company name Infineon Technologies AG
- Characteristics VIN-VOUT,Vdrop,Line-Tran,Load-Tran,EN,RESET,WD

### Simulation Condition

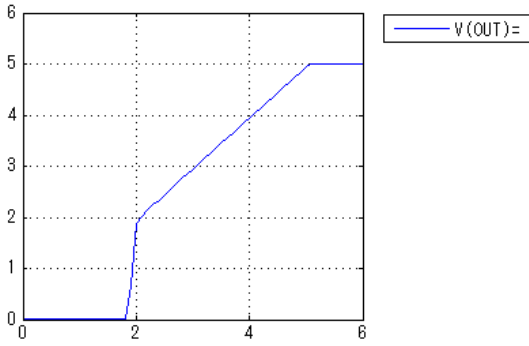
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.  
 Explanatory notes — : simulated

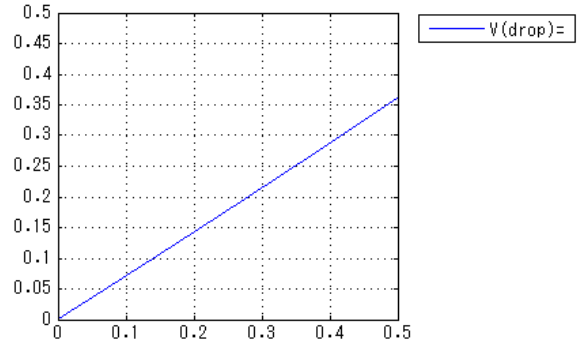
**VIN-VOUT**

Temp. = 25deg C



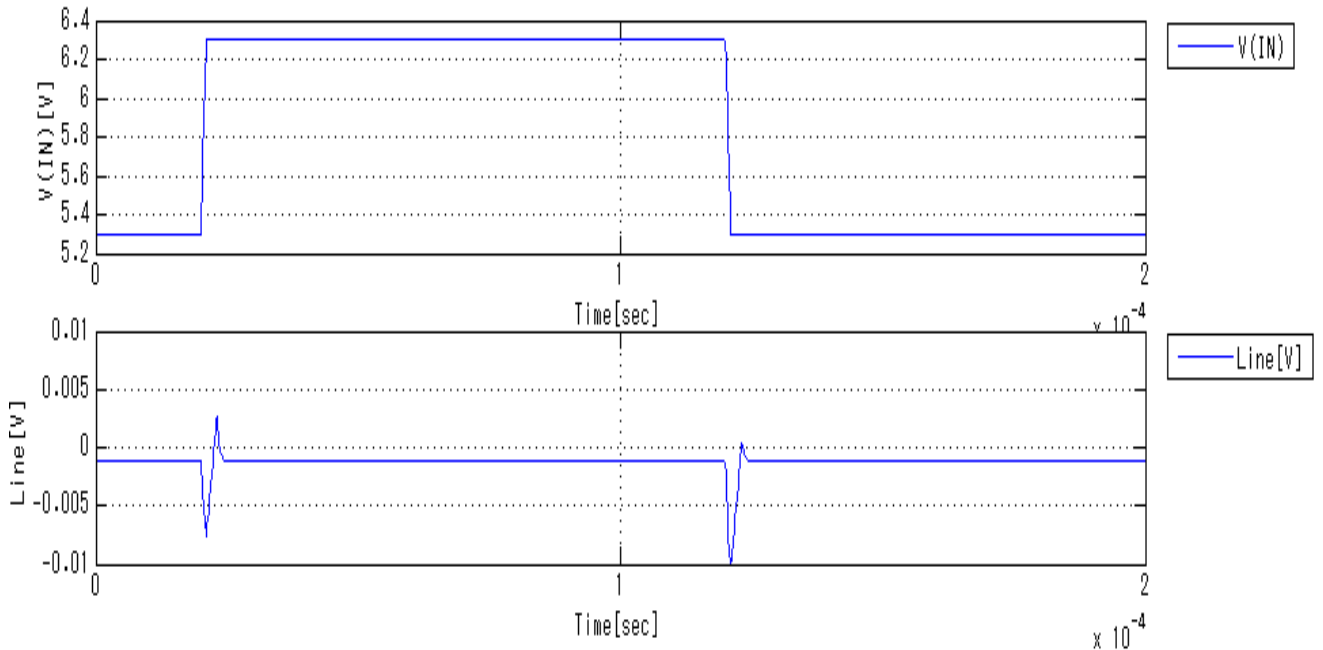
**Vdrop**

Temp. = 25deg C



**Line-Tran**

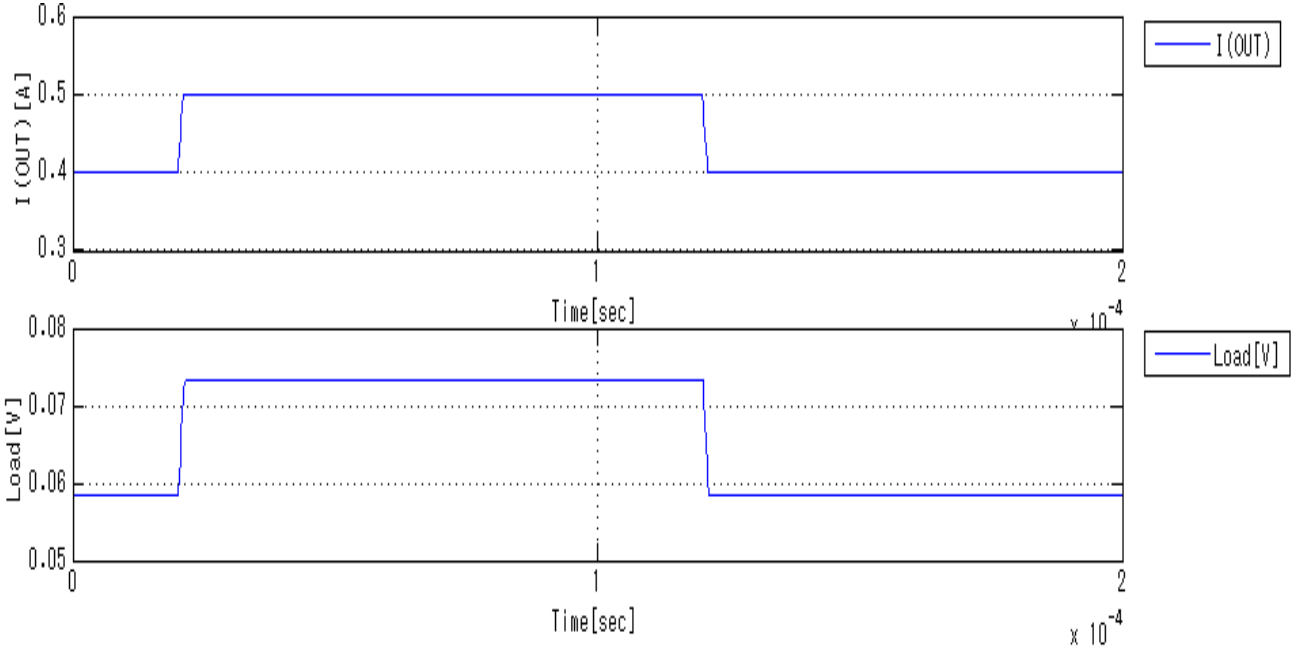
Temp. = 25deg C



Simulation results are following.  
 Explanatory notes — : simulated

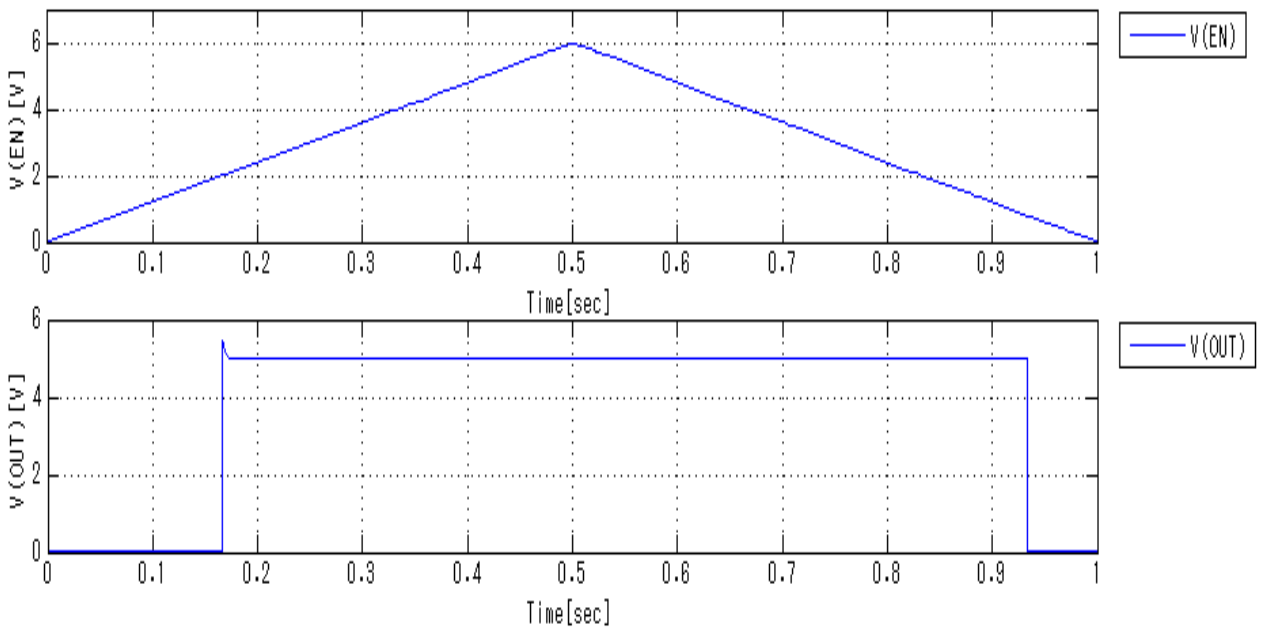
**Load-Tran**

Temp. = 25deg C



**EN**

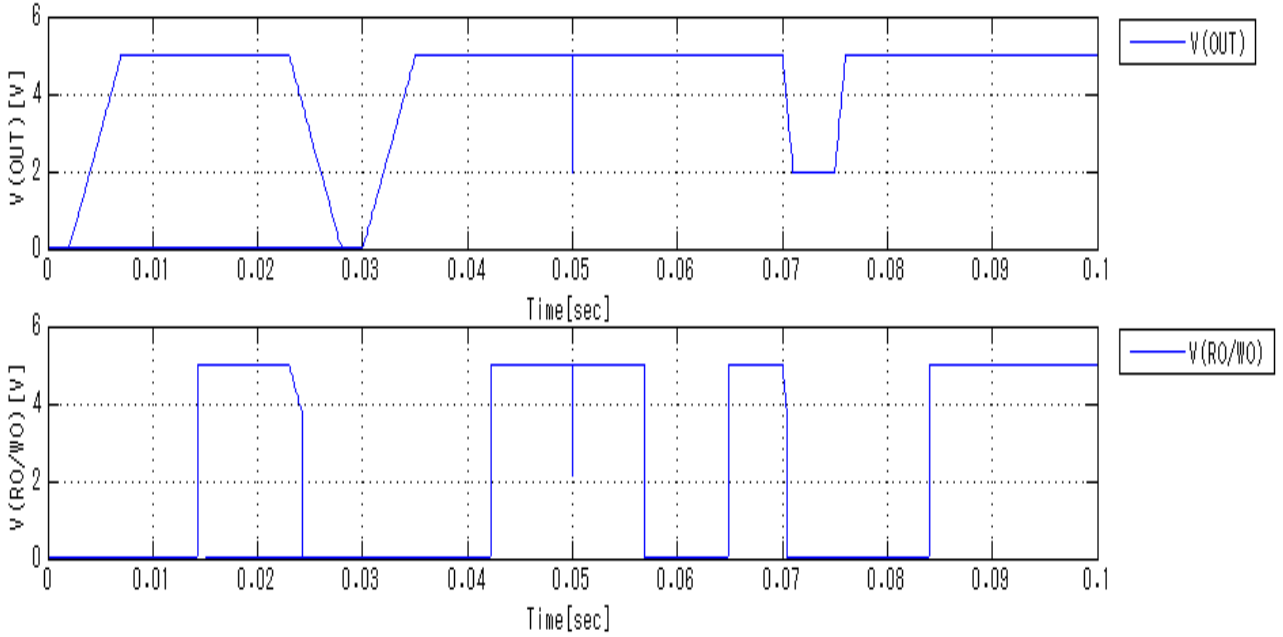
Temp. = 25deg C



Simulation results are following.  
Explanatory notes — : simulated

**RESET**

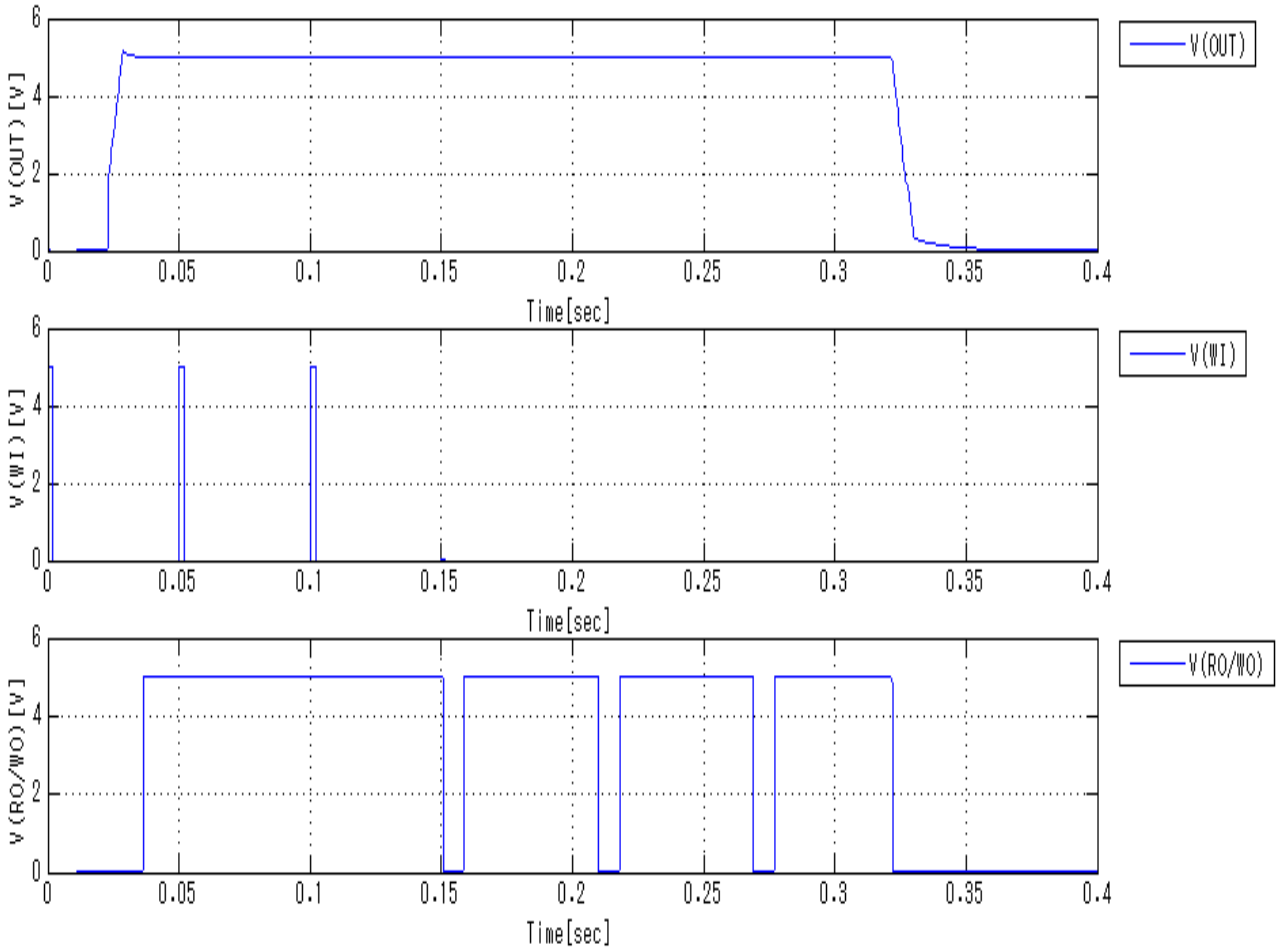
Temp. = 25deg C



Simulation results are following.  
Explanatory notes — : simulated

**WD**

Temp. = 25deg C



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