

LTspice Model

LDO (Low Drop Out)

Ricoh Company, Ltd.

R1524S050H-E2-KE

Model Information

Model An original macro model
Call Name MDC_R1524S050H-E2-KE_LT
Pin Assign 1:VOUT 2:NC 3:NC 4:CE 5:GND 6:NC 7:NC 8:VDD
File List Model Library MDC_R1524S050H-E2-KE_LT01.lib
 Model Report MDC_R1524S050H-E2-KE_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 R1524S050H-E2-KE
- Company name Ricoh Company, Ltd.
- Characteristics Voutlout[Vin],Voutlout[Vin]2,Line regulation,Load regulation

Simulation Condition

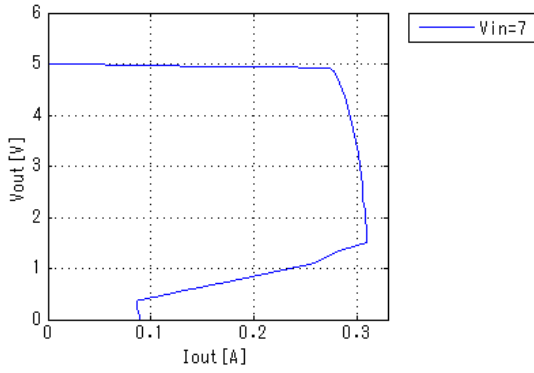
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

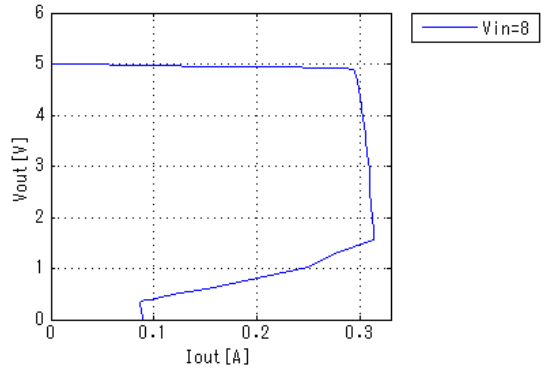
Voutlout[Vin]

Vin = 7V



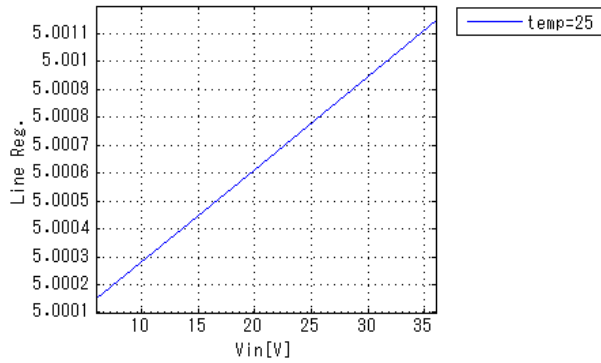
Voutlout[Vin]2

Vin = 8V



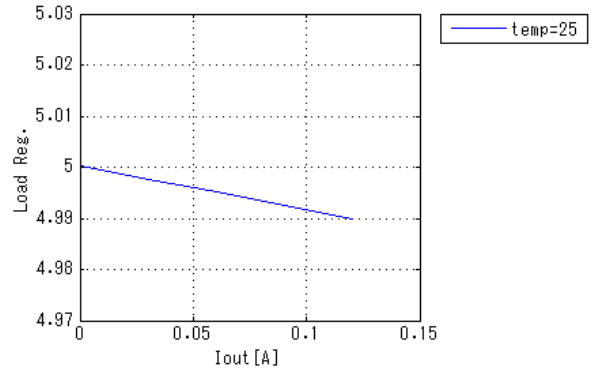
Line regulation

Iout = 1e-3A



Load regulation

Vin = 3.0V



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MoDeCH Inc.

Head Office

Location: Taiju-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/>