

PSpice Model

Shunt regulator

NewJRC

NJM2380AF

Model Information

Model An original macro model
Call Name MDC_NJM2380AF_PS
Pin Assign 1:NC 2:ANODE 3:NC 4:CATHODE 5:REFERENCE
File List Model Library MDC_NJM2380AF_PS02.lib
 Model Report MDC_NJM2380AF_PS.pdf (this file)

Verified Simulator Version PSpice 17.2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Unknown
- Product name NJM2380AF
- Company name New Japan Radio Co.,Ltd.
- Characteristics VrefIka[Temp],VrefVka[Temp],IrefTemp,VrefTemp,IoffTemp

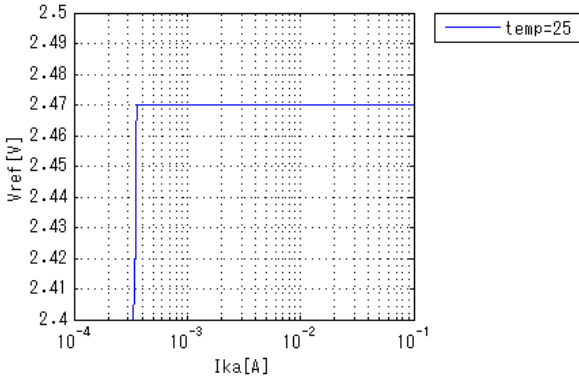
Simulation Condition

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

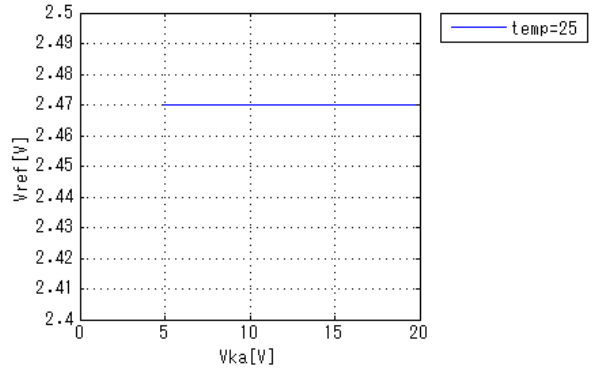
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

VrefIka[Temp]

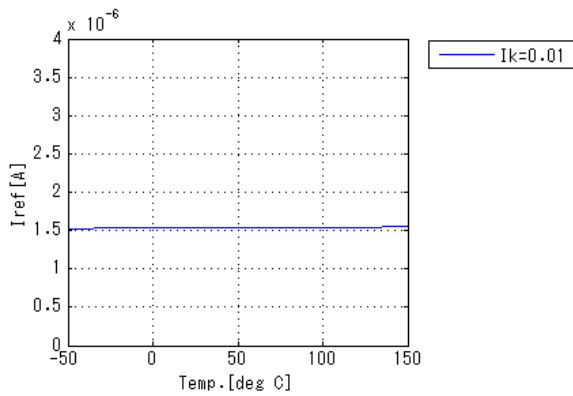


VrefVka[Temp]



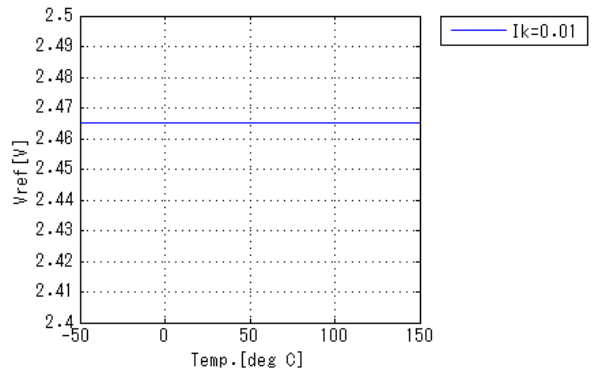
IrefTemp

$I_k = 10e-3A$



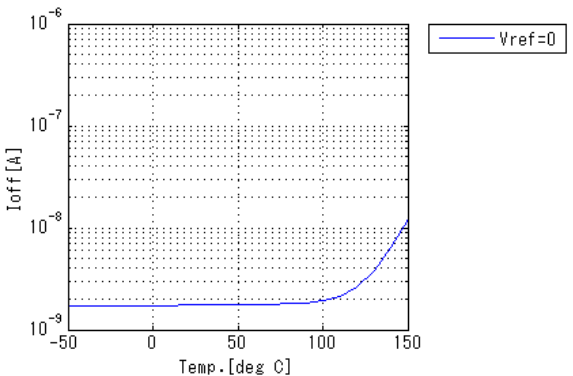
VrefTemp

$I_k = 10e-3A$



IoffTemp

$V_{ref} = 0A$



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MoDeCH Inc.

Head Office

Location: 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/>