

# ADS Model

## Shunt regulator

### NewJRC

### NJM2380AF

#### Model Information

**Model** An original macro model  
**Call Name** MDC\_NJM2380AF\_AD02  
**Pin Assign** 1:NC 2:ANODE 3:NC 4:CATHODE 5:REFERENCE  
**File List** Model Library MDC\_NJM2380AF\_AD03  
 Model Report MDC\_NJM2380AF\_AD.pdf (this file)

**Verified Simulator Version** ADS version 2020  
**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

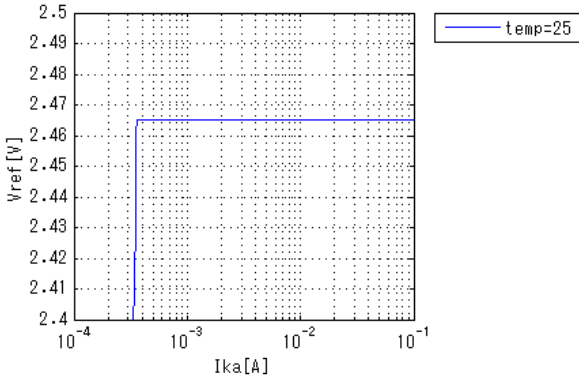
#### Simulation Condition

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

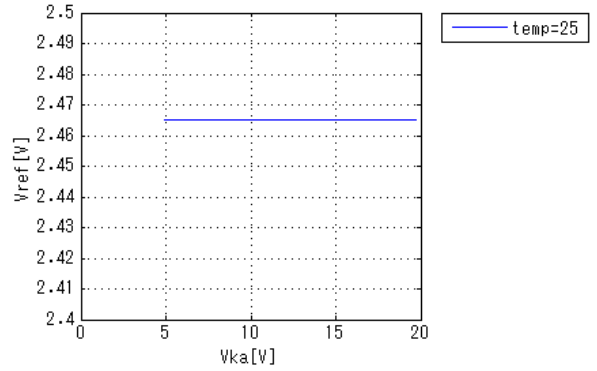
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.  
 Explanatory notes — : simulated

**VrefIka[Temp]**

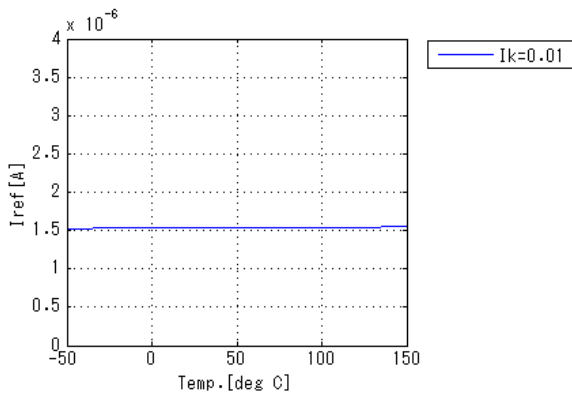


**VrefVka[Temp]**



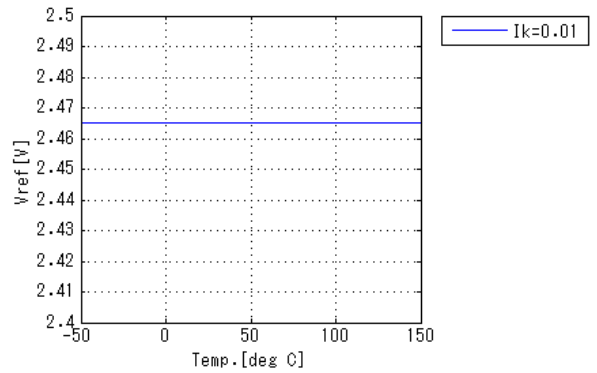
**IrefTemp**

$I_k = 10e-3A$



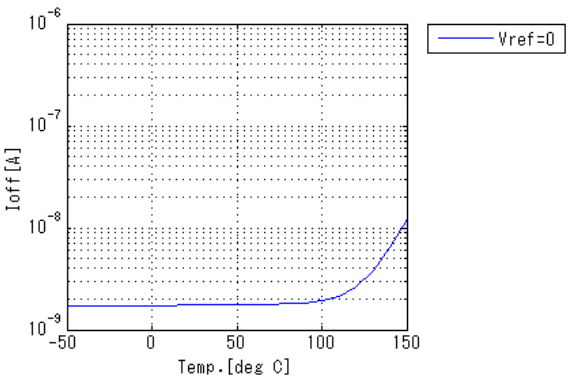
**VrefTemp**

$I_k = 10e-3A$



**IoffTemp**

$V_{ref} = 0A$



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