

LTspice Model

Shunt regulator

MITSUMI

MM1431CURE

Model Information

Model An original macro model
Call Name MDC_MM1431CURE_LT
Pin Assign 1:N.C. 2:Anode 3:Cathode 4:Reference
File List Model Library MDC_MM1431CURE_LT01.lib
 Model Report MDC_MM1431CURE_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 None
- Product name MM1431CURE
- Company name MITSUMI ELECTRIC CO., LTD.
- Characteristics IkVka[Temp],IkVka[Temp]2,dVrefVka[Temp]

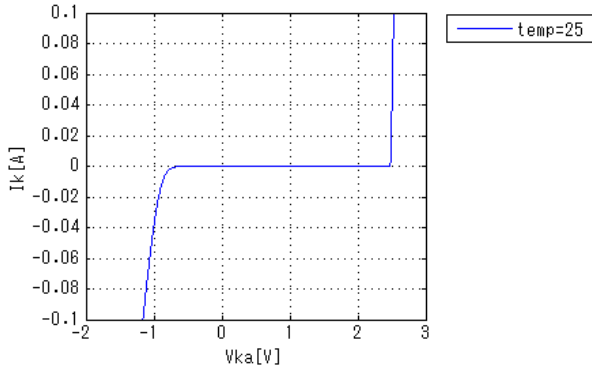
Simulation Condition

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

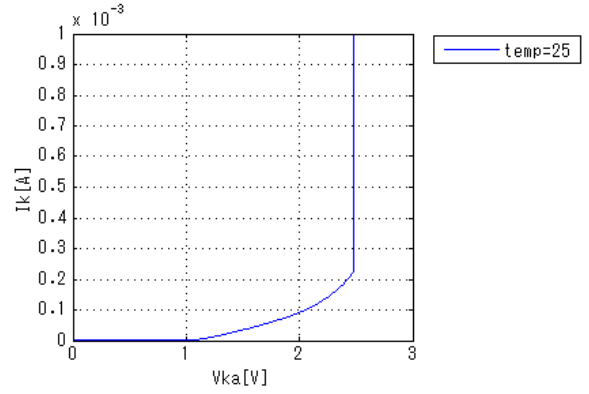
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

IkVka[Temp]

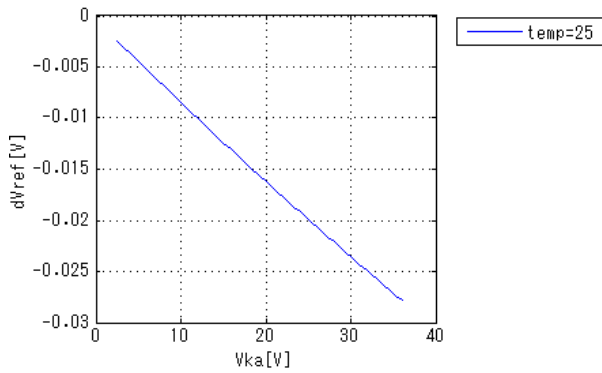


IkVka[Temp]2



dVrefVka[Temp]

Ik = 0.01A



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