

LTspice Model

Shunt regulator

RENESAS

UPC1093TA-E2-AT

Model Information

Model An original macro model
Call Name MDC_UPC1093TA-E2-AT_LT
Pin Assign 1:REF 2:A 3:K 4:A 5:NC
File List Model Library MDC_UPC1093TA-E2-AT_LT01.lib
Model Report MDC_UPC1093TA-E2-AT_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 5th edition
- Product name UPC1093TA-E2-AT
- Company name Renesas Electronics Corporation
- Characteristics $I_{kVka}[Temp]$, $I_{kVka}[Temp]2$, $dV_{refVka}[Temp]$

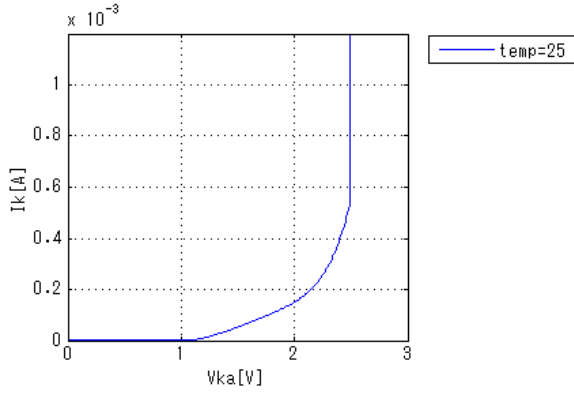
Simulation Condition

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

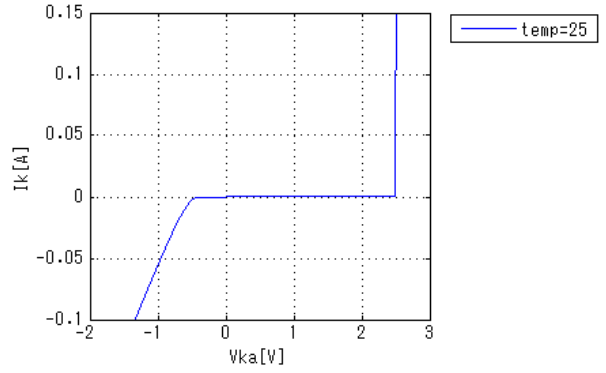
Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.
 Explanatory notes — : simulated

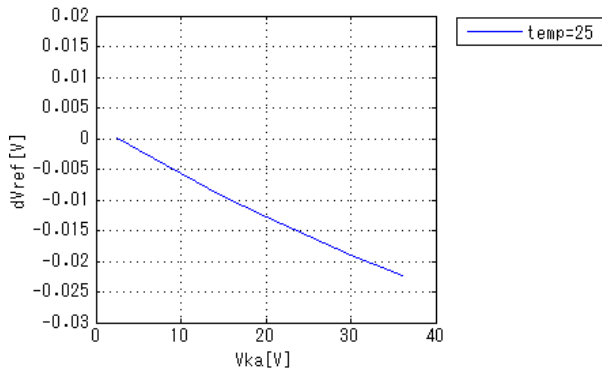
IkVka[Temp]



IkVka[Temp]2



dVrefVka[Temp]



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