

ADS Model

Intelligent Power Device(Nch)

Panasonic

MIP2K40MTSCF

Model Information

Model An original macro model
Call Name MDC_MIP2K40MTSCF_AD03
Pin Assign 1:VDD 2:FB 3:CL 4:VCC 5:Drain 7:Source 8:Source
File List Model Library MDC_MIP2K40MTSCF_AD.zip
 Model Report MDC_MIP2K40MTSCF_AD_r03.pdf (this file)

Verified Simulator Version ADS 2021 Update 2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Revision.1
- Product name MIP2K40MTSCF
- Company name Panasonic Corporation
- Characteristics Transient1,Transient2

Simulation Range

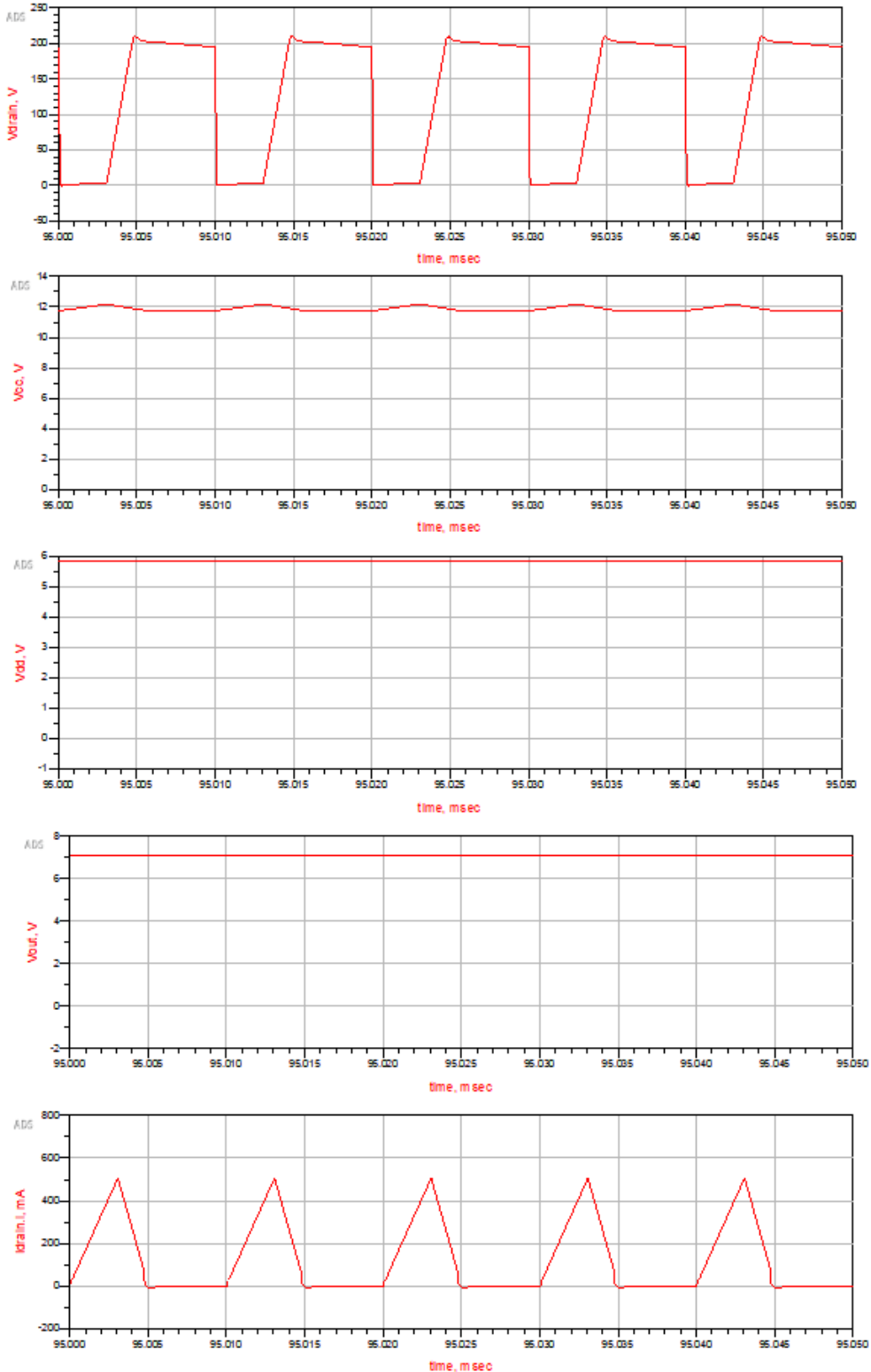
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Temperature	25	to	25	deg C

Simulation results are following.
Explanatory notes — : simulated

Transient1 (VOUT=8.4V , IOUT=1.3A)

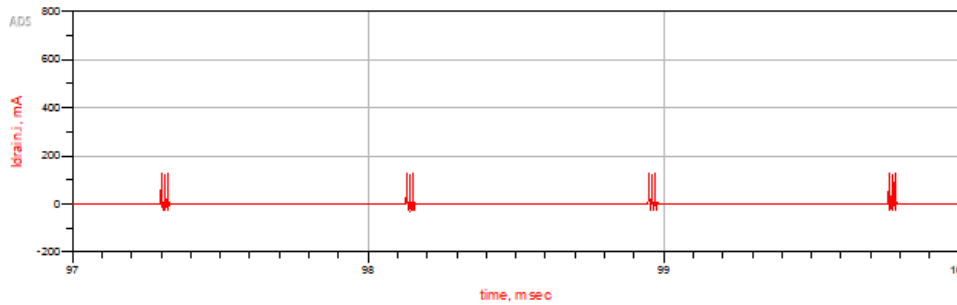
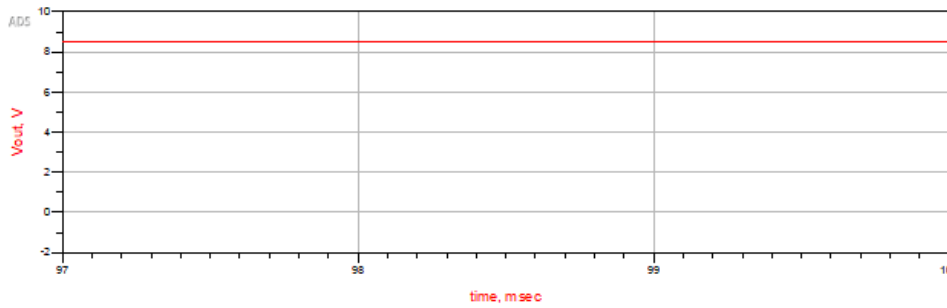
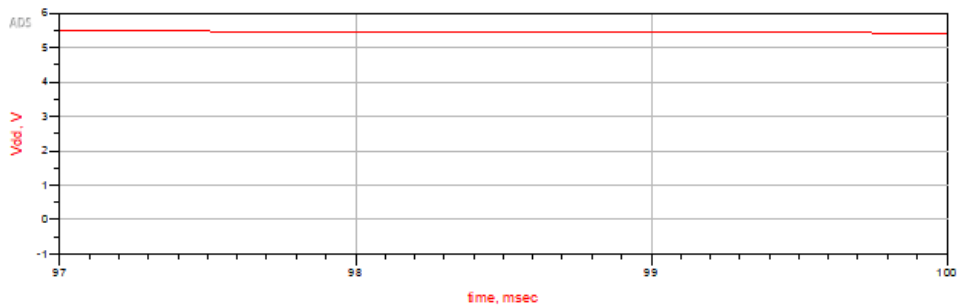
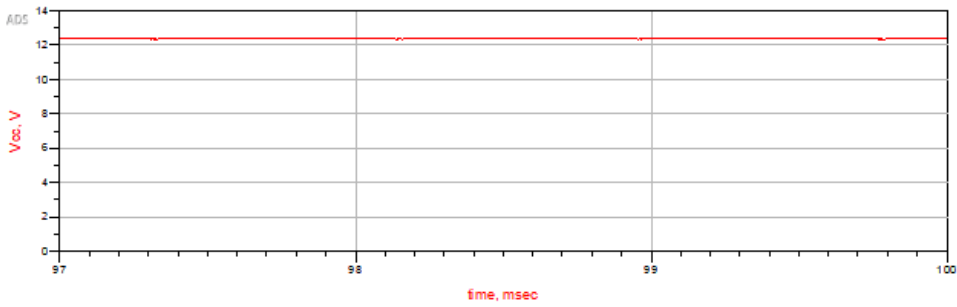
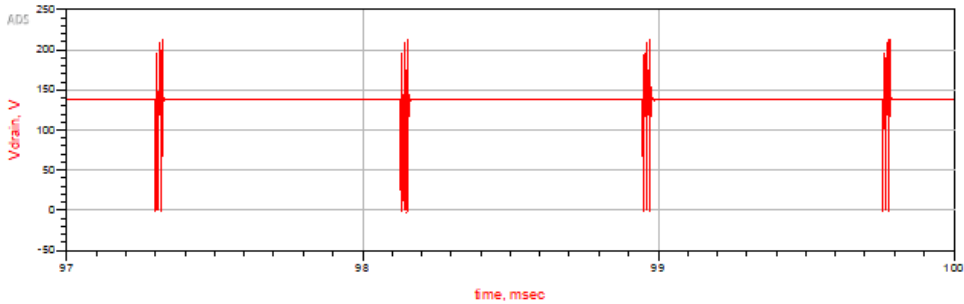
Temp. = 25deg. C



Simulation results are following.
Explanatory notes — : simulated

Transient2 (VOUT=8.4V , IOUT=0A)

Temp. = 25deg C



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