LTspice Model
Flyback Switcher
Power Integrations
MDC_INN3279C_LT

Model Information

Model	A macro model
Call Name	MDC_INN3279C_LT
Pin Assign	1:IS 2:GND 3:FB 4:BPS 5:SR 6:VOUT 7:FWD 8:NC 9:NC 10:NC 11:NC 12:NC 13:V 14:BPP 15:NC 16:S 17:S 18:S 19:S 24:D
File List	Model Library MDC_INN3279C_LT03.lib
	Model Report MDC_INN3279C_LT.pdf(this file)

Verified Simulator Version   LTspice XVII

Note

References

The information which was used for modeling is as follow:

[Data Sheet]
- ●Date/Version   Rev. K 06/20
- ●Product name   InnoSwitch3-CP Family INN3279C
- ●Company name   Power Integrations

[Characteristics listed]
- ●Characteristics
  - Continuous Current Mode
  - Discontinuous Conduction Mode
  - Brown Out
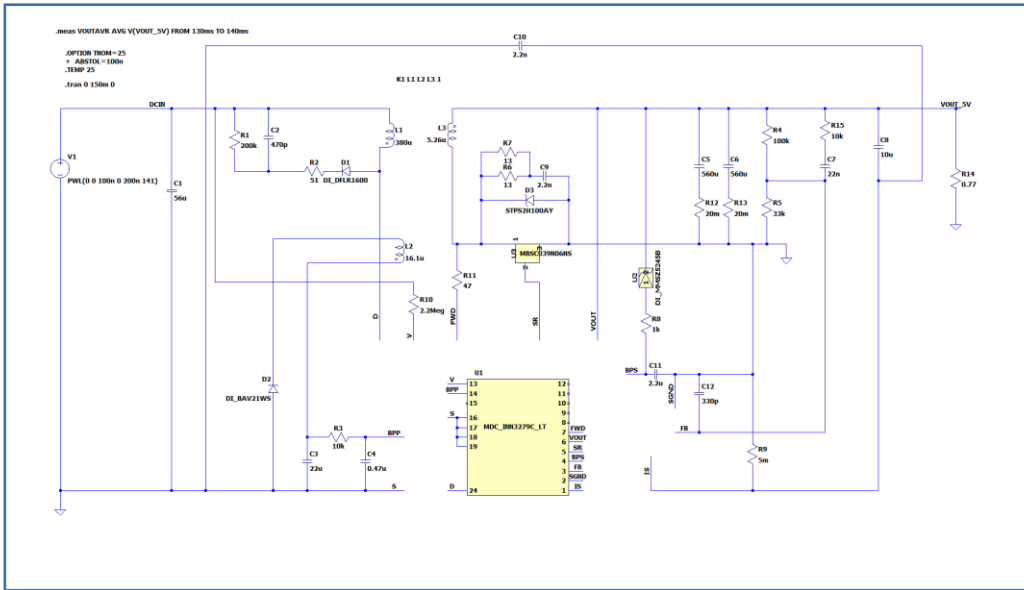 - Input Over Voltage
  - Output Over Voltage

Simulation Condition

This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.
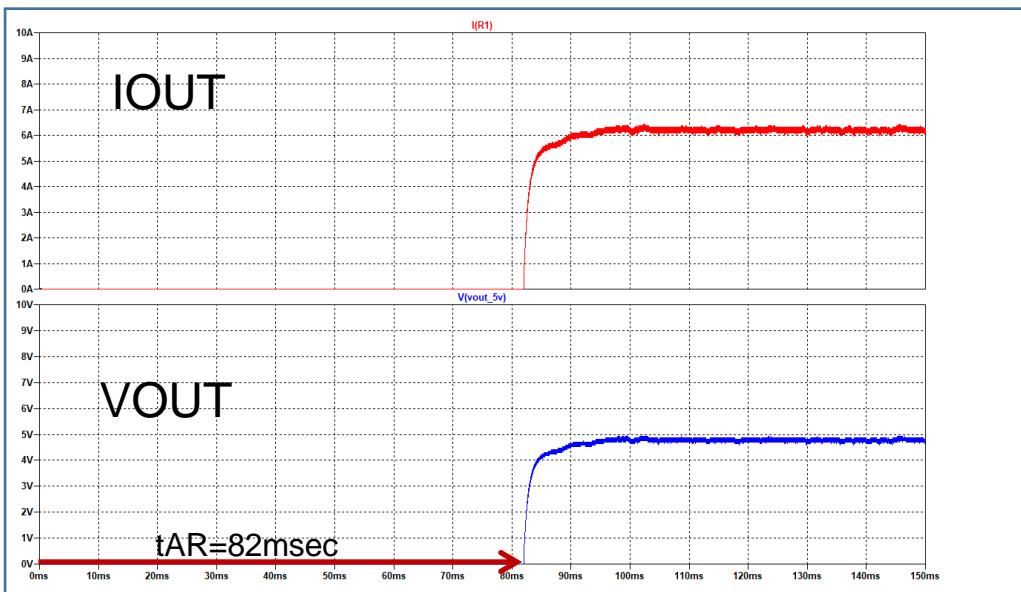
Item	Condition	Unit
Temperature	25	deg C

Model Functions Table

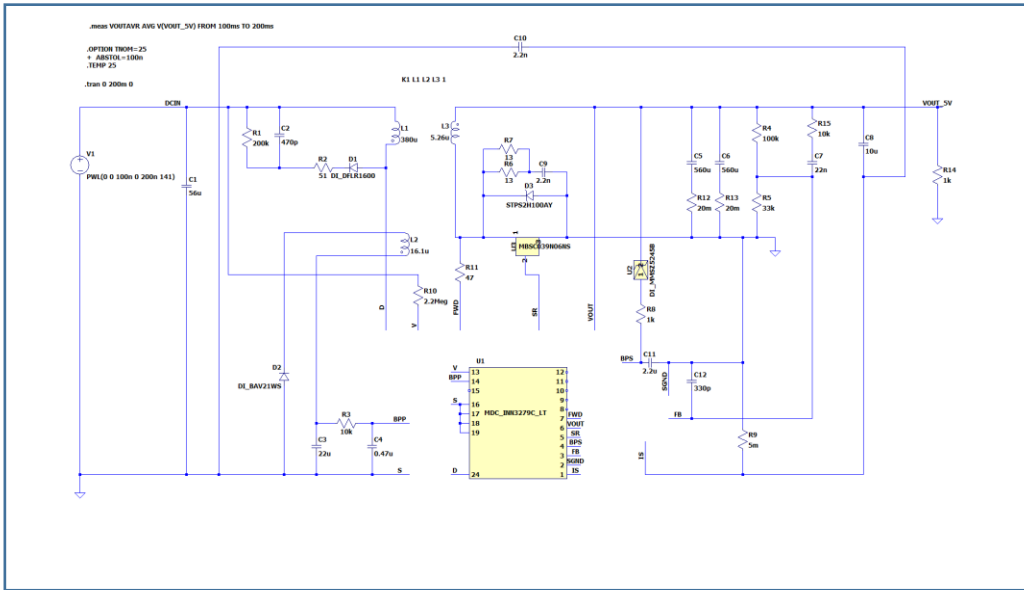| Functions	Implemented
Primary Current Limit Operation	O
Primary Output Under/Over Voltage Protection	O
Output Voltage Protection	O
Soft-Start	O
Brown-Out	O
Auto-Restart	O
Cable Drop Compensation	✕
Secondary Rectifier/SR Switch Short Protection (SRS)	✕
SOA Protection	✕
Jitter Modulation	✕
Over-Temperature Protection	✕

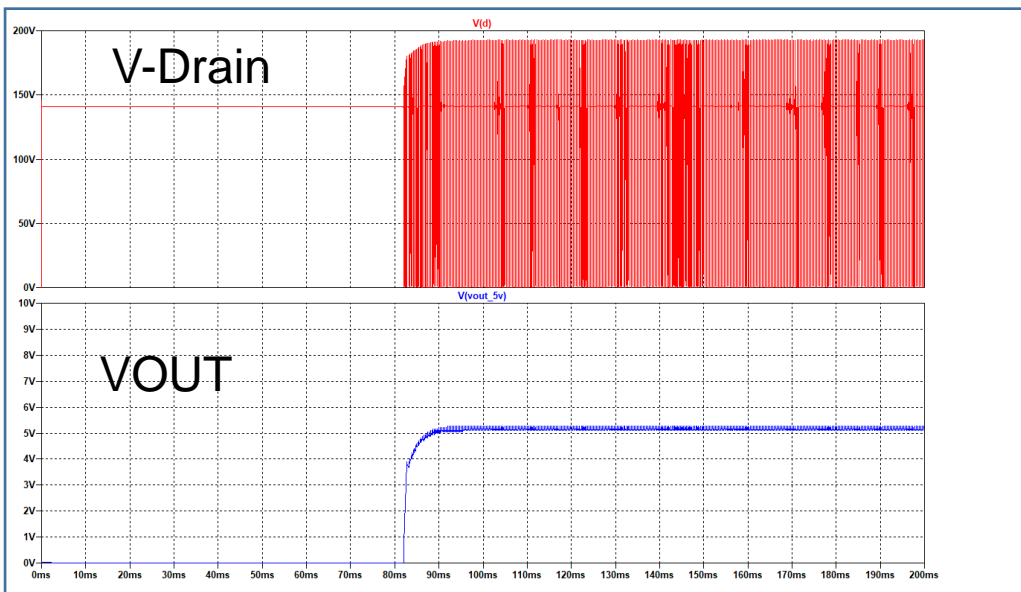Continuous Current Mode

TestBench

Simulation results are following.
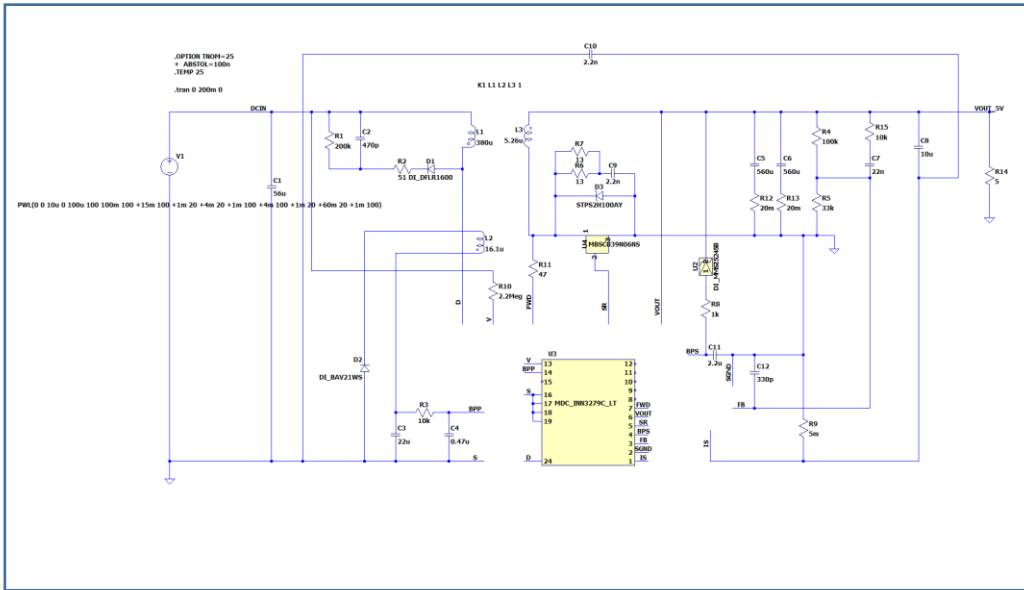Explanatory notes   — : simulated

Discontinuous Conduction Mode
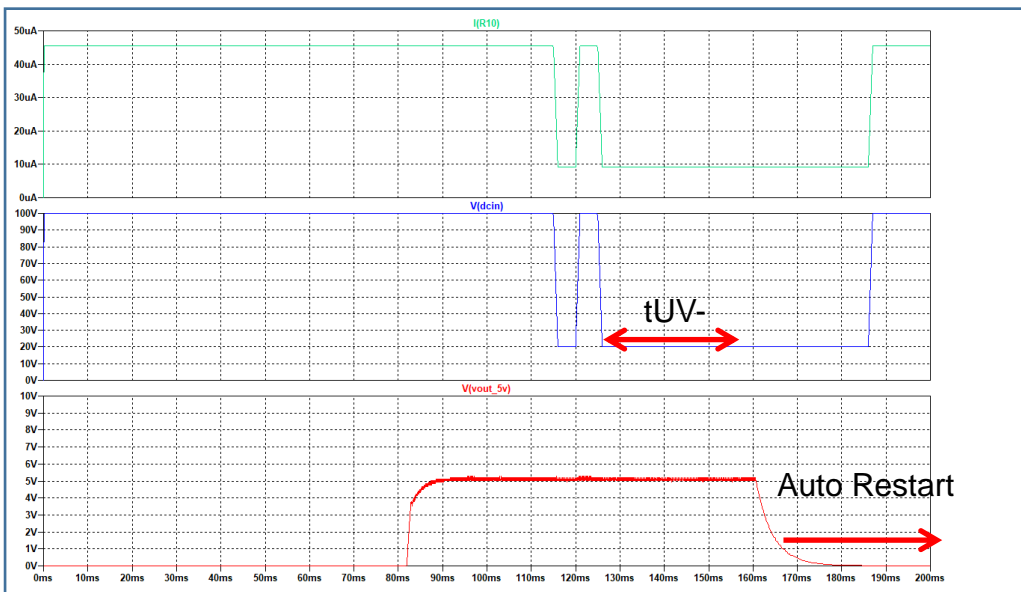
TestBench

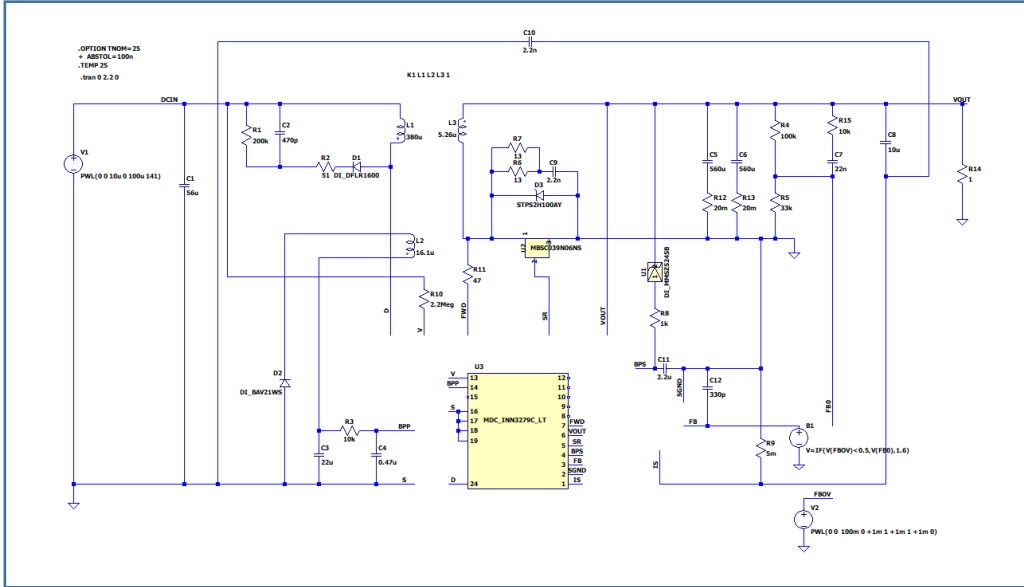Simulation results are following.

Explanatory notes   — : simulated
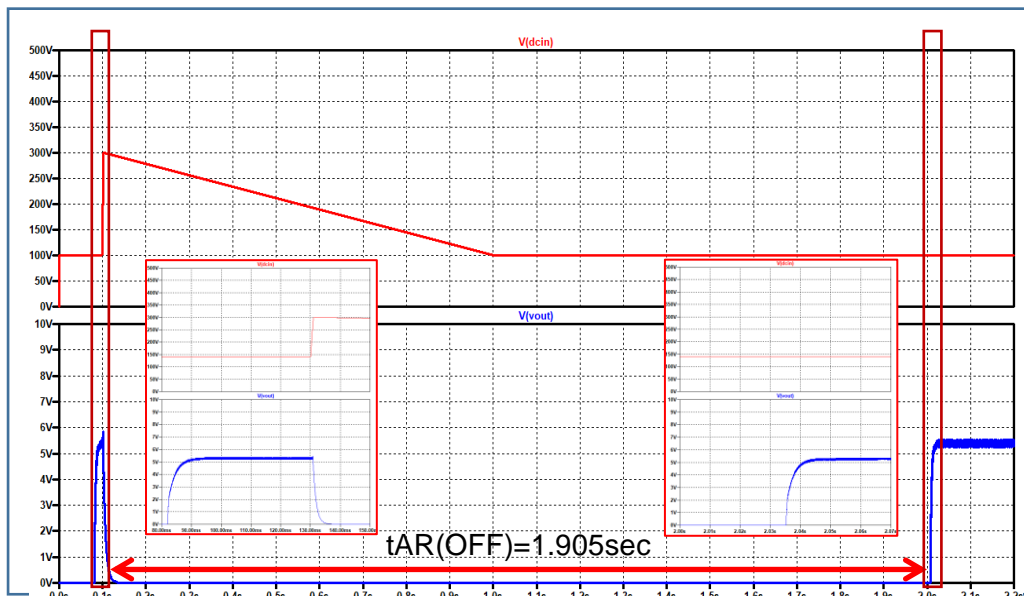
Brown Out

TestBench

Simulation results are following.
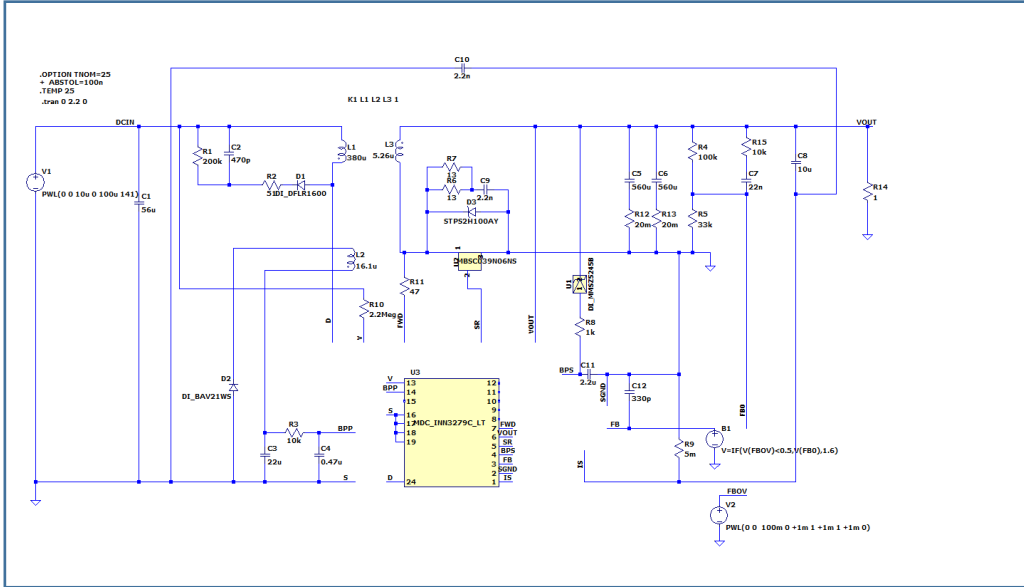Explanatory notes　　— : simulated
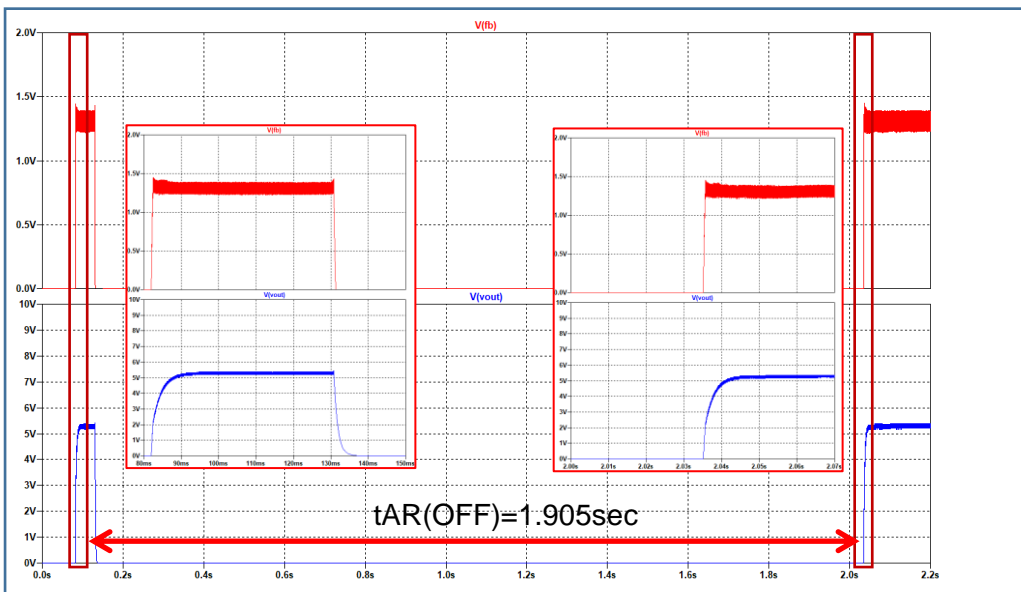
Input Over Voltage

TestBench

Simulation results are following.
Explanatory notes   — : simulated

Output Over Voltage

TestBench

Simulation results are following.
Explanatory notes   — : simulated

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Sep 14,2021
Rev 3.0