

# LTspice Model

## Intelligent Power Device(Nch)

### SanKen

### SLA6868MZ

#### Model Information

Model	An original macro model		
Call Name	MDC_SLA6868MZ_LT		
Pin Assign	1:VB1 2:VB2 3:VB3 4:VCC1 5:SD1 6:COM1 7:HIN3 8:HIN2 9:HIN1 10:VBB 11:W1 12:V 13:W2 14:LS2 15:RC 16:LS1 17:OCL 18:LIN3 19:LIN2 20:LIN1 21:COM2 22:SD2 23:VCC2 24:U		
File List	Model Library	MDC_SLA6868MZ_LT01.lib	
	Model Report	MDC_SLA6868MZ_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	2013/9
●Product name	SLA6868MZ
●Company name	SanKen Electric Co., Ltd.
●Characteristics	Transient1,Transient2,Transient3,Transient4,Transient5,Transient6

#### Simulation Range

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

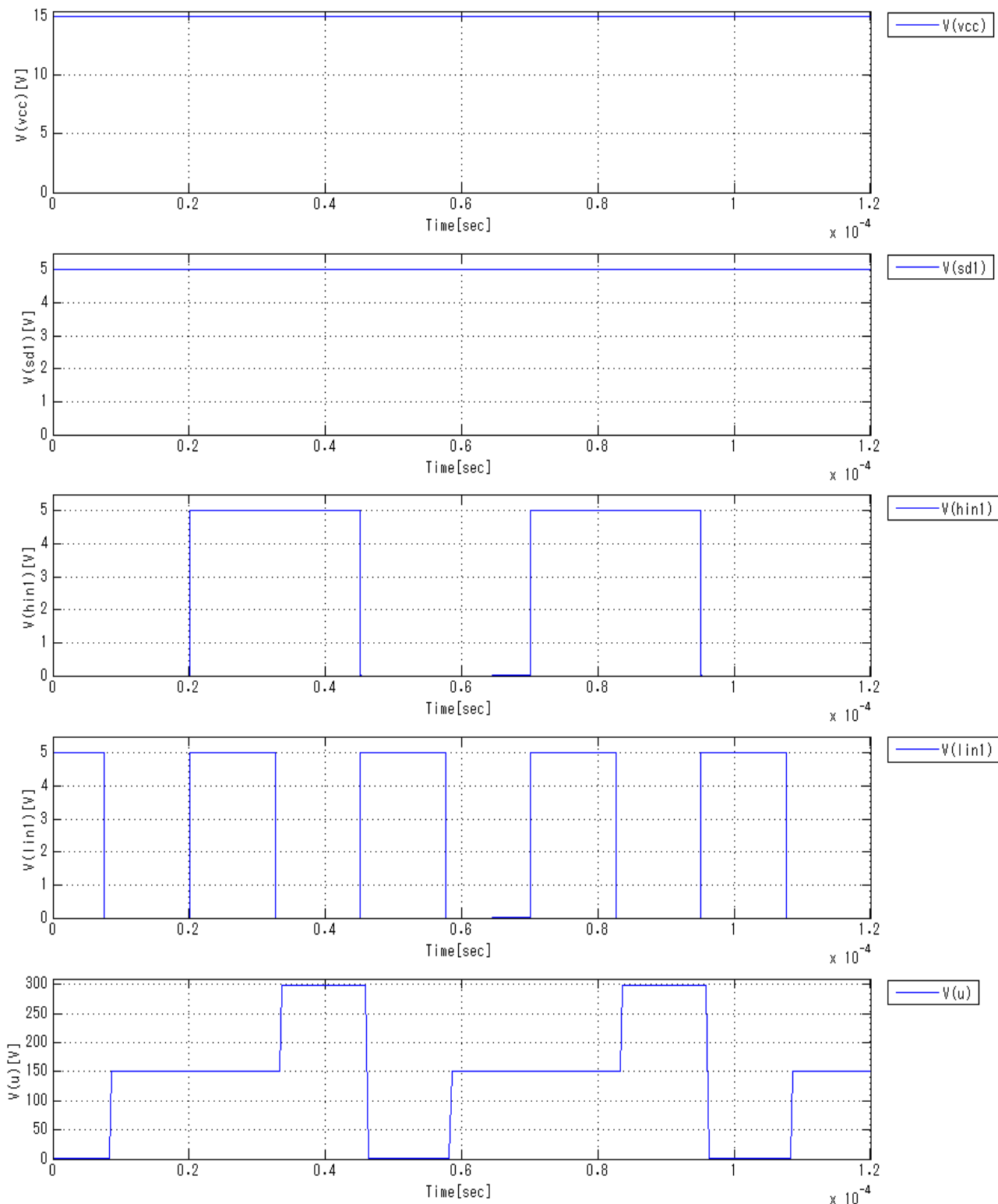
Item	Range			Unit
	Min.		Max.	
Temperature	25	to	25	deg C

Simulation results are following.

Explanatory notes — : simulated

## Transient1

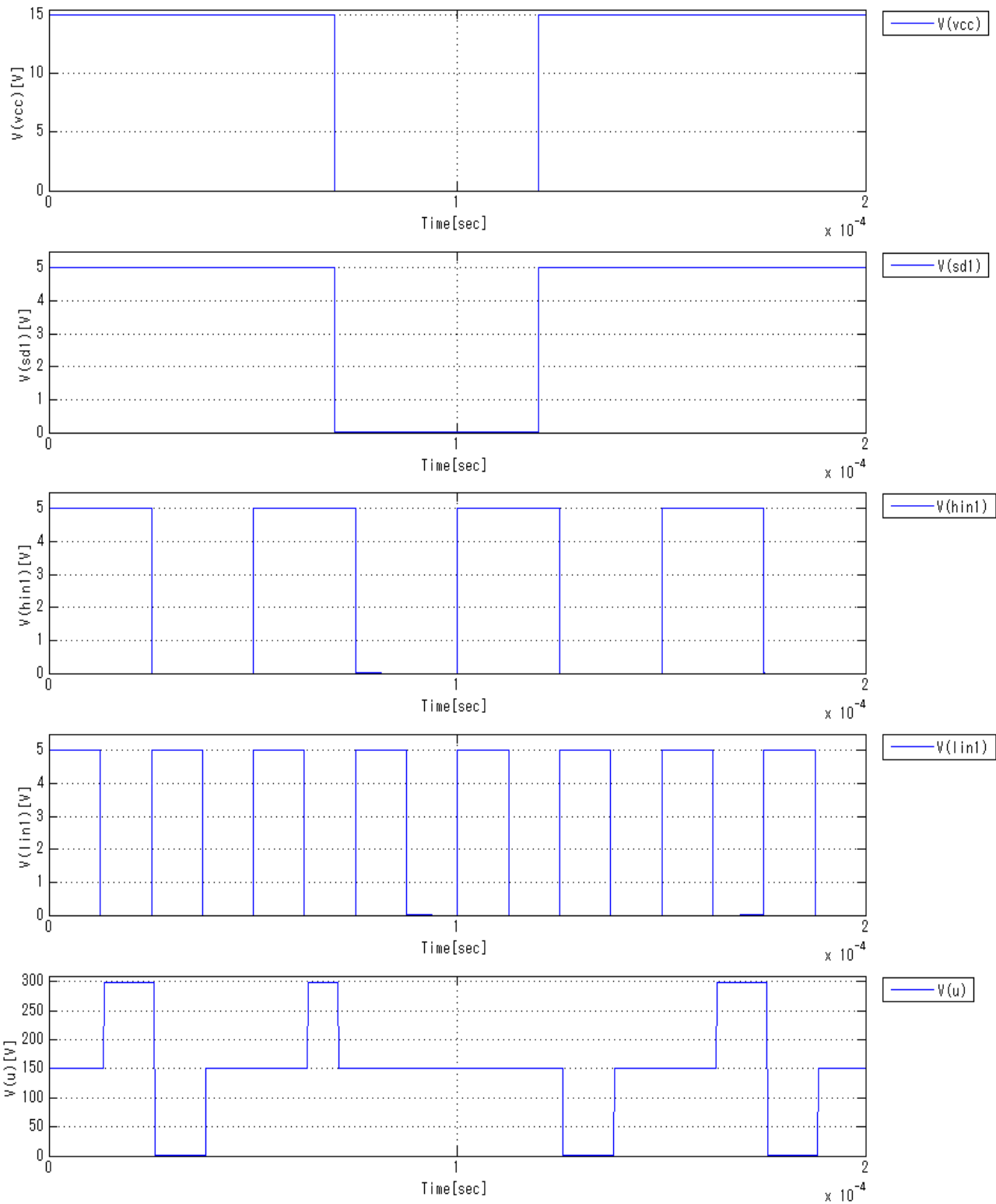
Temp. = 25deg C



Simulation results are following.  
Explanatory notes    — : simulated

Transient2

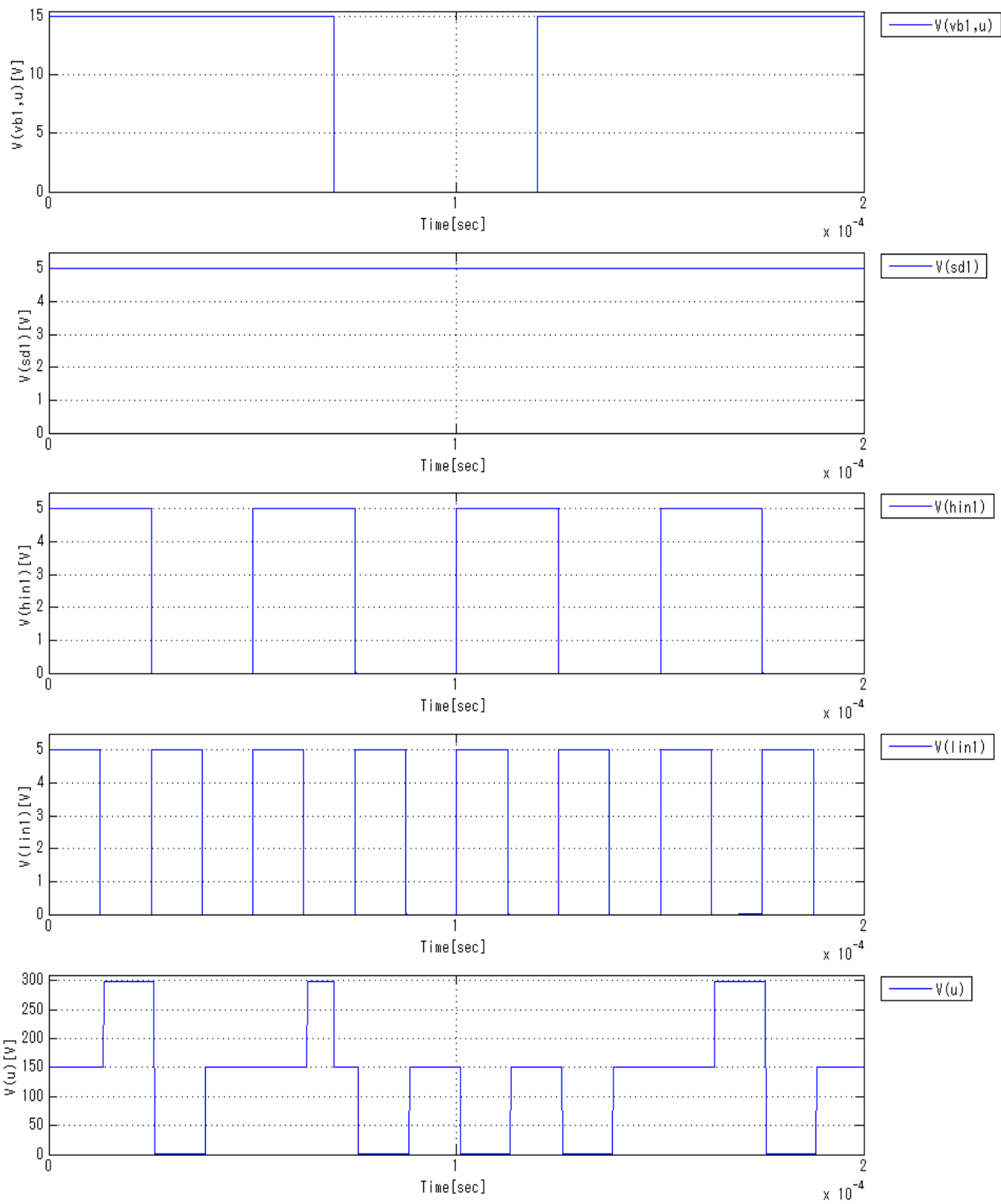
Temp. = 25deg C



Simulation results are following.  
Explanatory notes    — : simulated

Transient3

Temp. = 25deg C

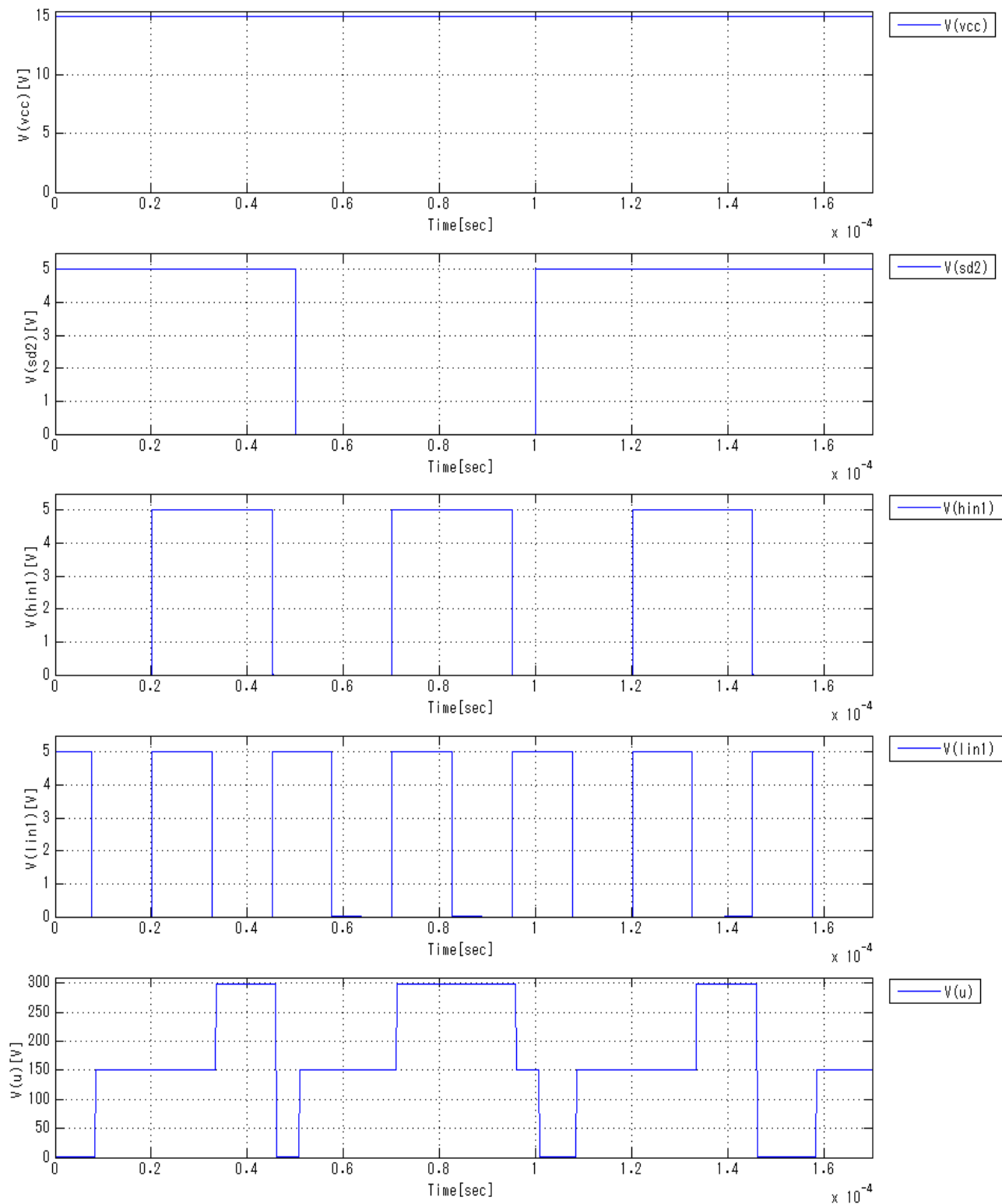


Simulation results are following.

Explanatory notes — : simulated

## Transient4

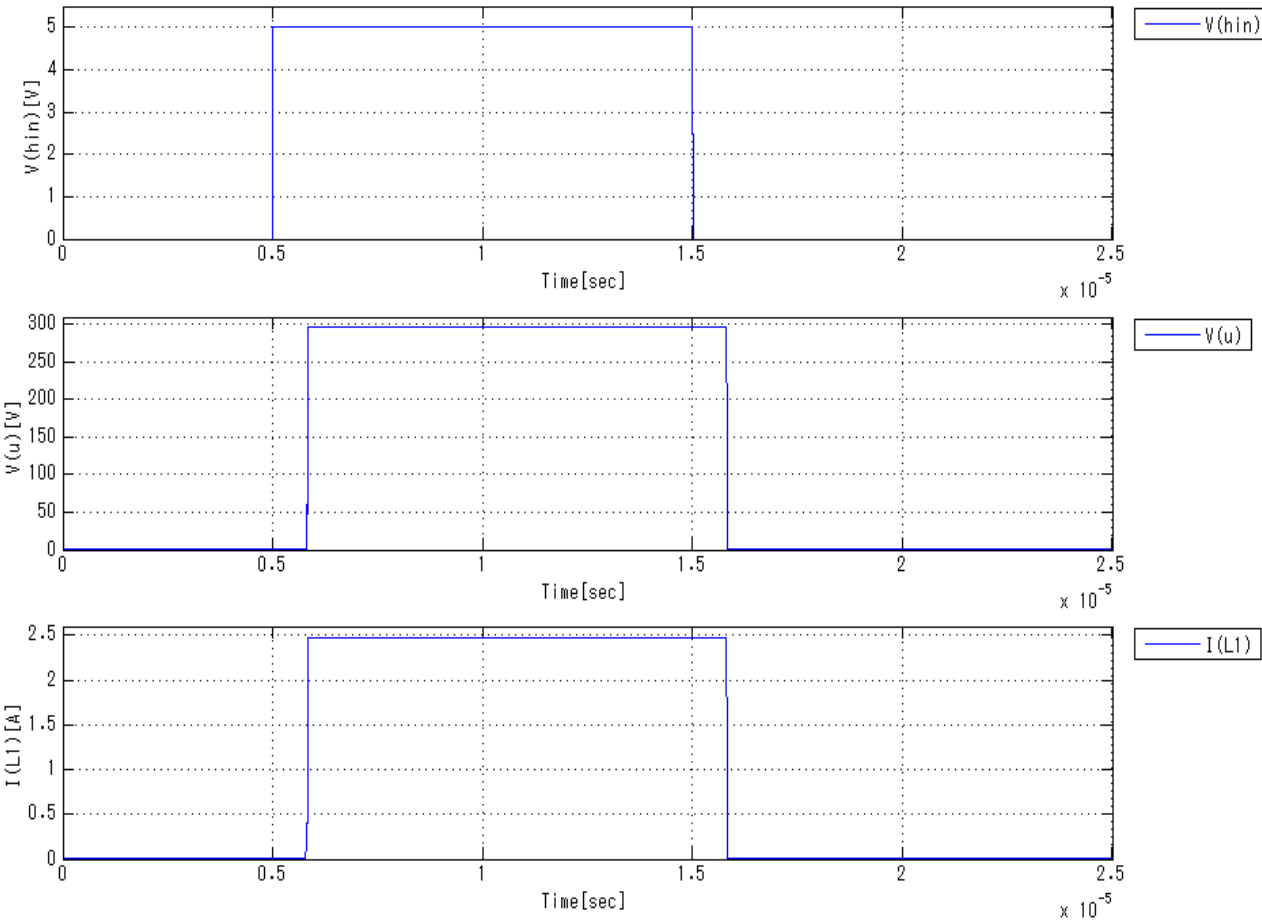
Temp. = 25deg C



Simulation results are following.  
Explanatory notes    — : simulated

Transient5

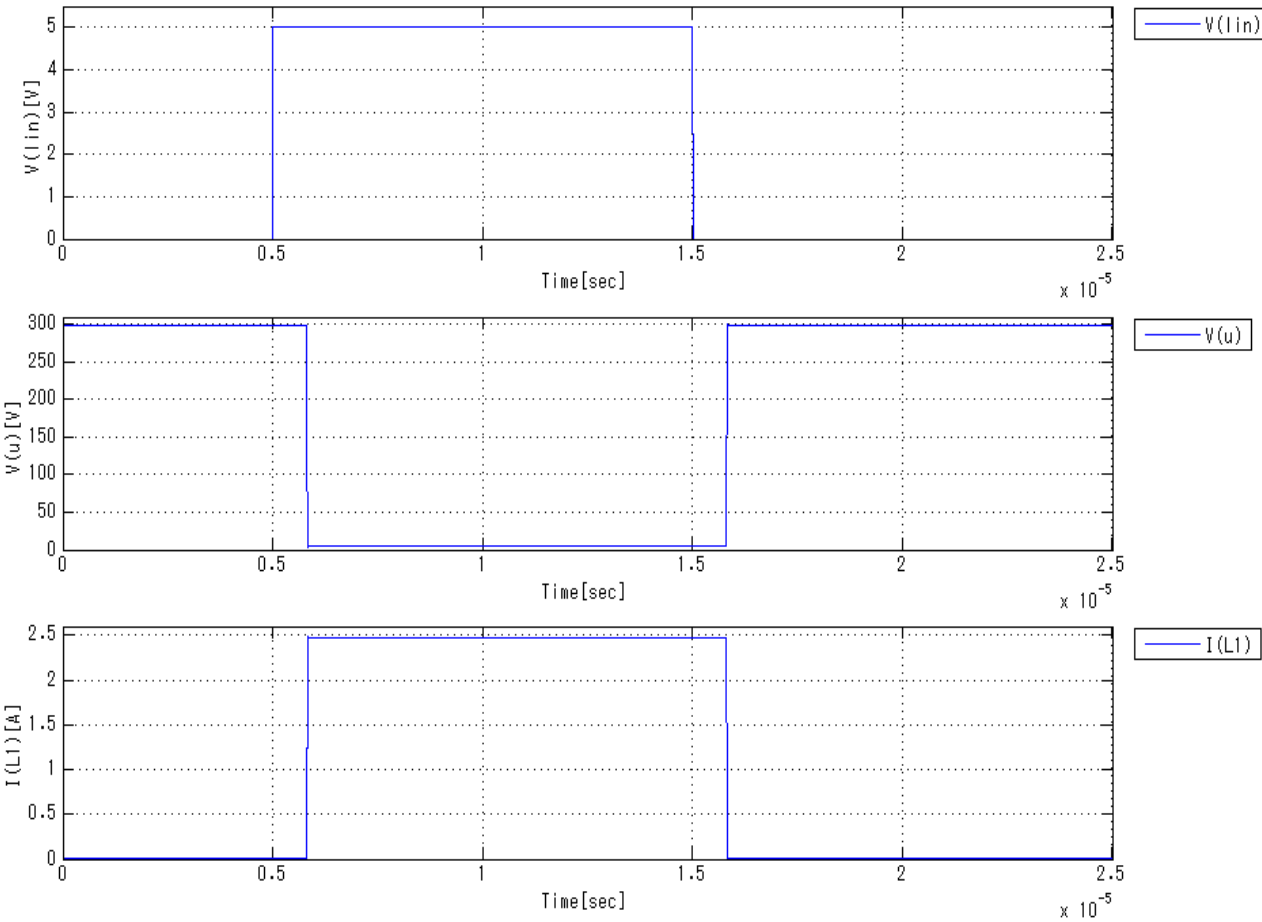
Temp. = 25deg C



Simulation results are following.  
Explanatory notes    — : simulated

Transient6

Temp. = 25deg C



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