

# LTspice Model

## Low Side Switch

### KEC

### KID65083AP

#### Model Information

**Model** An original macro model  
**Call Name** MDC\_KID65083AP\_LT  
**Pin Assign** 1:I1 2:I2 3:I3 4:I4 5:I5 6:I6 7:I7 8:I8 9:.GND 10:COMMON  
 11:Q8 12:Q7 13:Q6 14:Q5 15:Q4 16:Q3 17:Q2 18:Q1  
**File List** Model Library MDC\_KID65083AP\_LT01.lib  
 Model Report MDC\_KID65083AP\_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 3
- Product name KID65083AP
- Company name KEC Corporation
- Characteristics Transient,IN\_VIN[Temp],VCESAT[Temp]

#### Simulation Condition

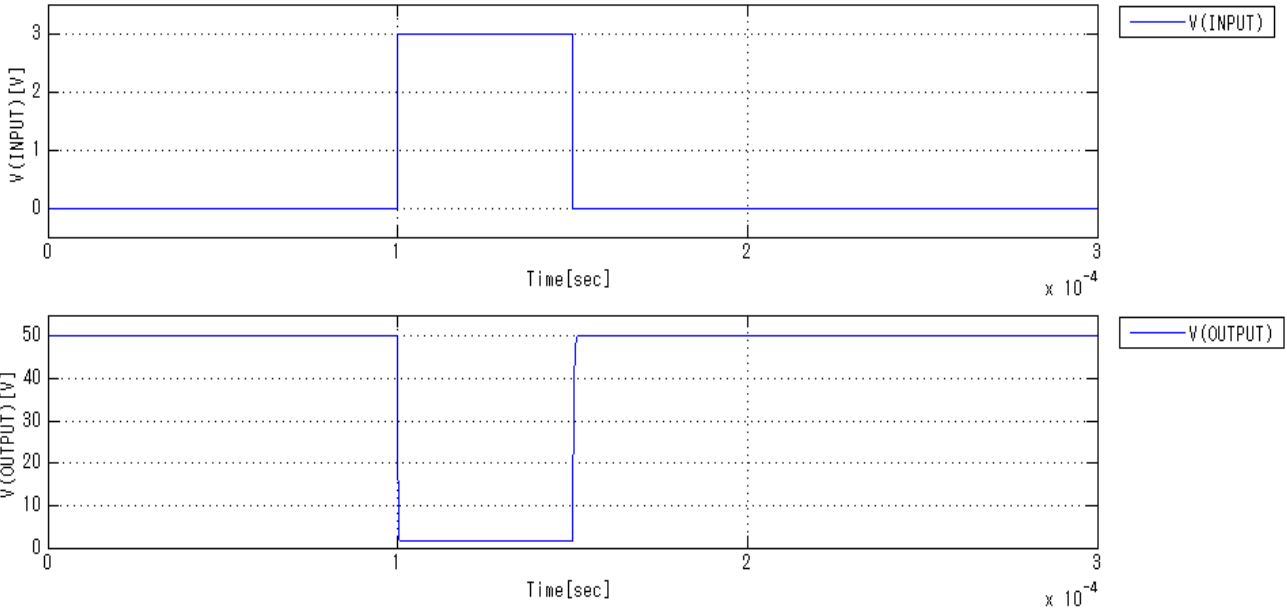
This table shows the value of evaluated simulation condition that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Simulation results are following.  
Explanatory notes — : simulated

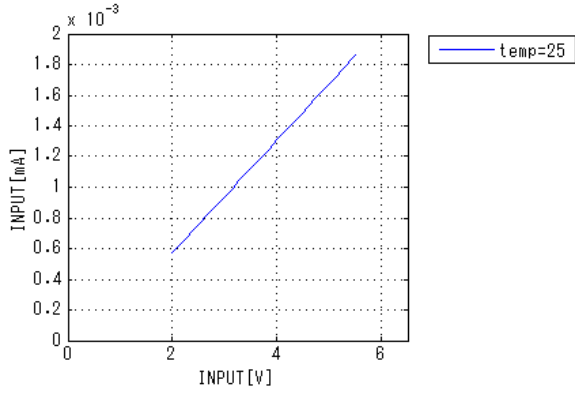
**Transient**

Temp. = 25deg C

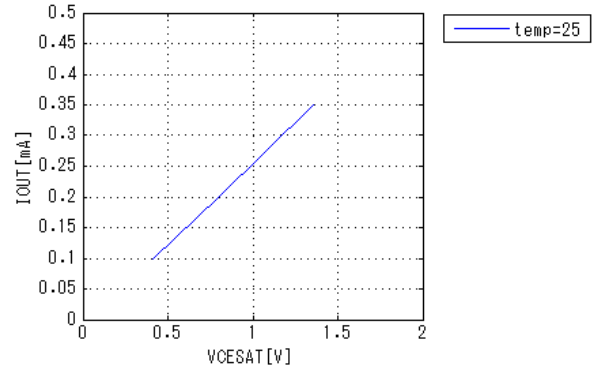


Simulation results are following.  
 Explanatory notes — : simulated

**IN\_VIN[Temp]**



**VCESAT[Temp]**



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