

# LTspice Model

## Small-Sized Current Sensor

### Asahi Kasei

### CQ-131E-C

#### Model Information

**Model** A macro model  
**Call Name** MDC\_CQ-131E-C\_LT  
**Pin Assign** 1:Vcc 2:Gnd 3:Out 4:P 5:N  
**File List** Model Library MDC\_CQ-131E-C\_LT01.lib  
 Model Report MDC\_CQ-131E-C\_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 March 2012
- Product name CQ-131E-C
- Company name Asahi Kasei Corp.
- Characteristics IV,Transient

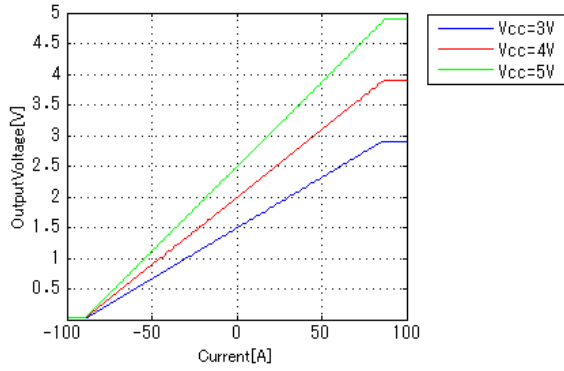
#### Simulation Range

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

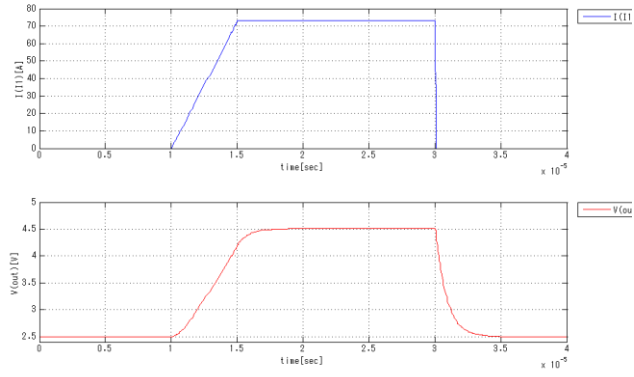
Simulation results are following.  
 Explanatory notes — : simulated

**IV**



**Transient**

Load:1000pF



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