

# Device Modeling Report

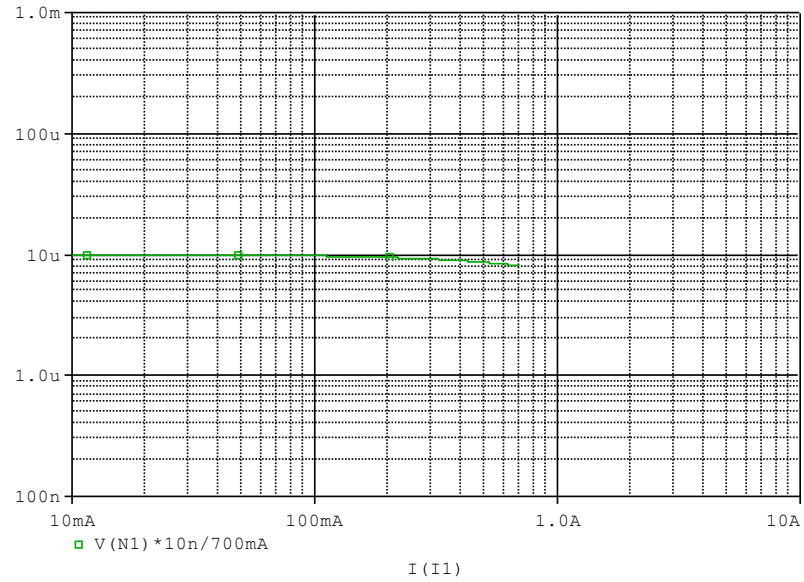
COMPONENTS: Inductor DC Model  
PART NUMBER: LQH32PN100MN0  
MANUFACTURER: Murata Manufacturing Co, Ltd.  
Remark: DC Model



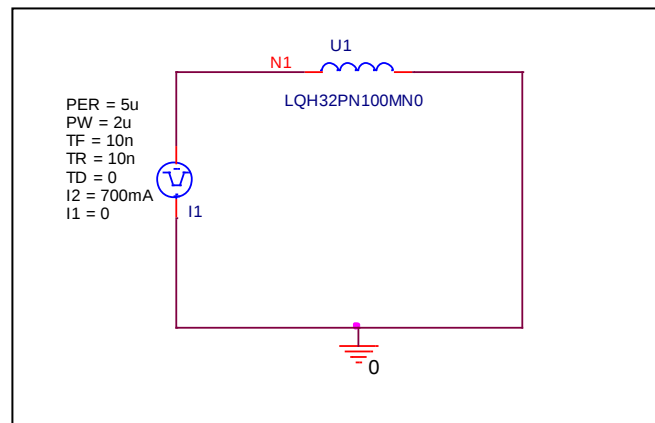
**Bee Technologies Inc.**

# Inductance-Current Characteristics

## Circuit Simulation result

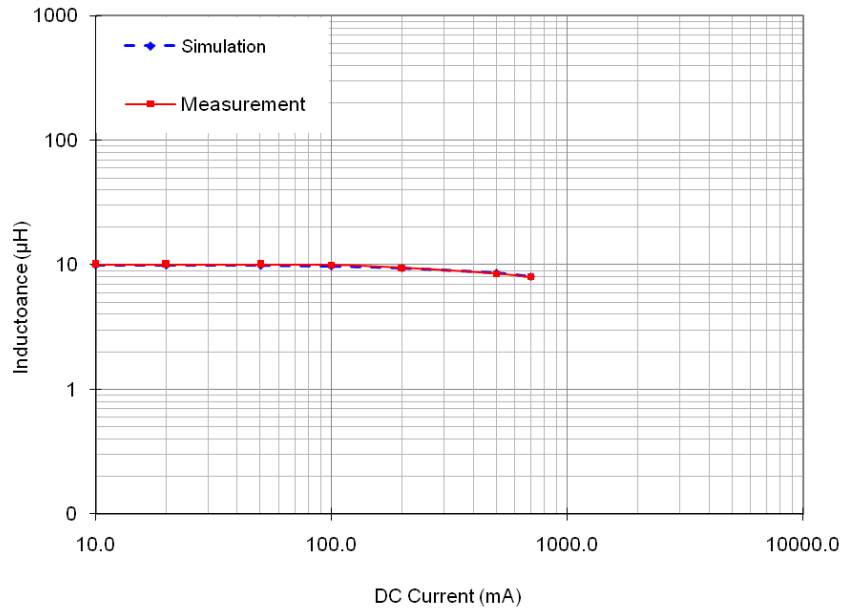


## Evaluation circuit



## Comparison Graph

Simulation result



Comparison table

| I (mA) | L (μH)      |            | %Error |
|--------|-------------|------------|--------|
|        | Measurement | Simulation |        |
| 10     | 10.000      | 9.972      | -0.28  |
| 20     | 10.000      | 9.944      | -0.56  |
| 50     | 10.000      | 9.860      | -1.40  |
| 100    | 9.950       | 9.721      | -2.30  |
| 200    | 9.400       | 9.441      | 0.44   |
| 500    | 8.500       | 8.603      | 1.21   |
| 700    | 8.000       | 8.044      | 0.55   |