

Device Modeling Report

COMPONENTS: Inductance

PART NUMBER: LQH3NPN100NM0

MANUFACTURER: Murata Manufacturing Co., Ltd.

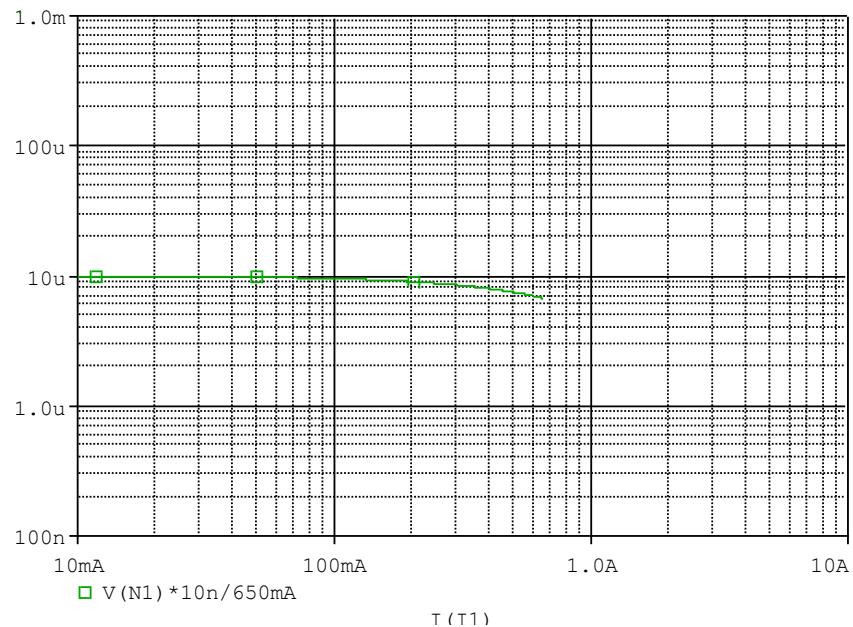
Remark: DC Model



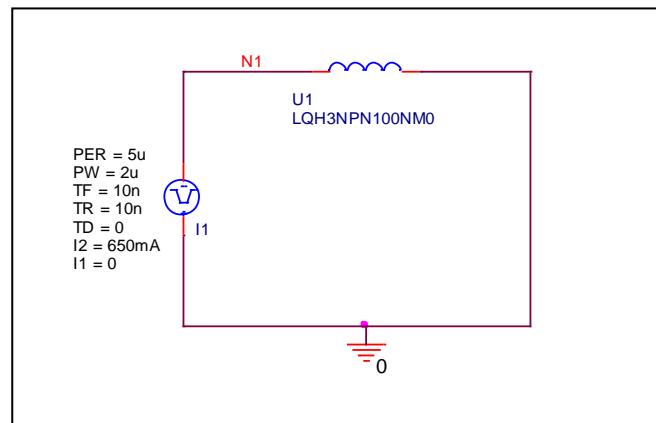
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

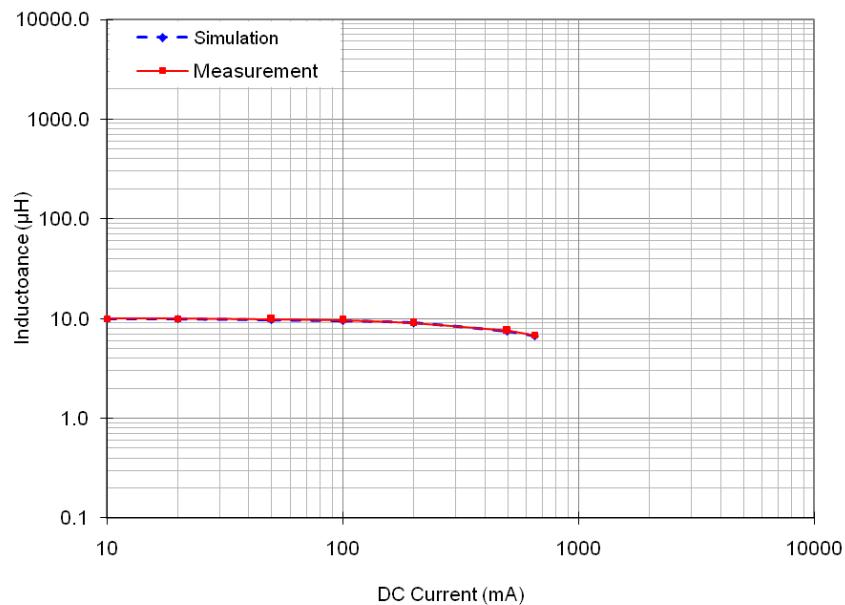


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

| I (mA) | L (μH) | | %Error |
|--------|-------------|------------|--------|
| | Measurement | Simulation | |
| 10 | 10.000 | 9.999 | -0.01 |
| 20 | 10.000 | 9.948 | -0.52 |
| 50 | 9.850 | 9.794 | -0.57 |
| 100 | 9.600 | 9.538 | -0.65 |
| 200 | 9.000 | 9.025 | 0.28 |
| 500 | 7.550 | 7.489 | -0.81 |
| 650 | 6.800 | 6.721 | -1.16 |