

# Device Modeling Report

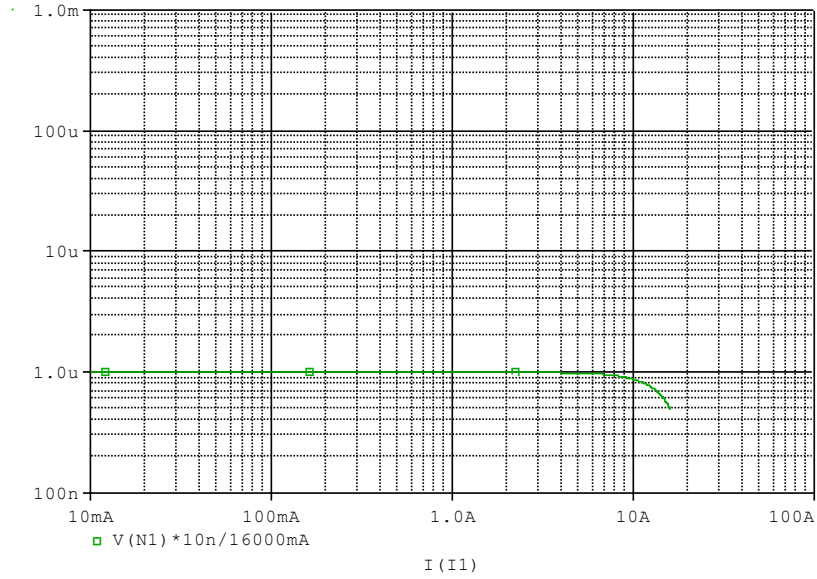
COMPONENTS: Inductor DC Model  
PART NUMBER: LQH88PN1R0N38  
MANUFACTURER: Murata Manufacturing Co, Ltd.  
Remark: DC Model



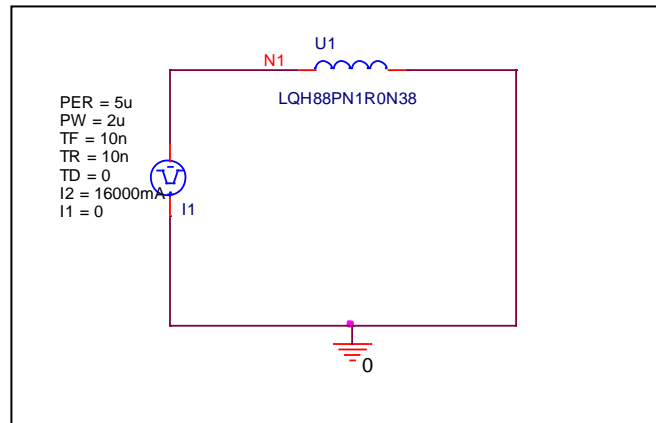
**Bee Technologies Inc.**

# Inductance-Current Characteristics

## Circuit Simulation result

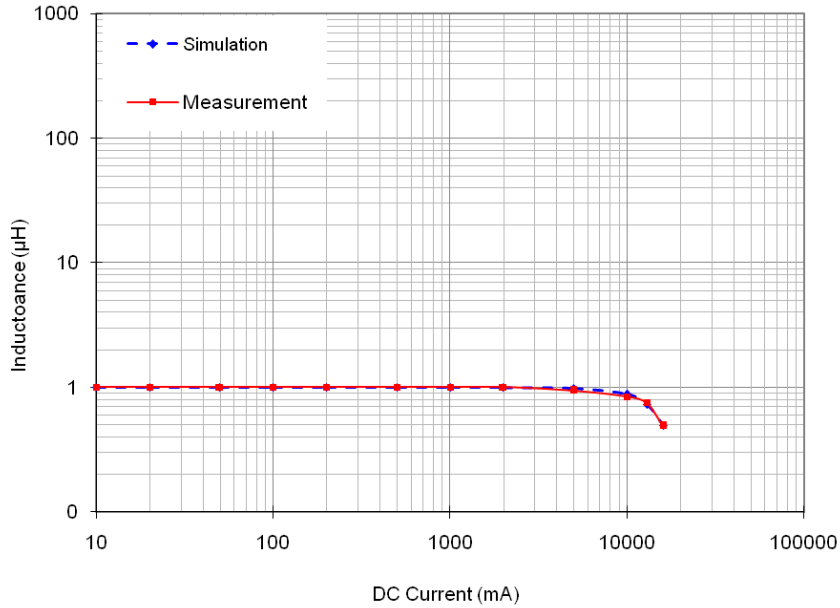


## Evaluation circuit



# Comparison Graph

## Simulation result



## Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	1.000	1.000	0.00
20	1.000	1.000	0.00
50	1.000	1.000	0.00
100	1.000	1.000	0.00
200	1.000	1.000	0.00
500	1.000	1.000	0.00
1000	1.000	1.000	-0.01
2000	1.000	0.999	-0.10
5000	0.940	0.985	4.73
10000	0.840	0.876	4.29
13000	0.750	0.728	-2.99
16000	0.490	0.492	0.43