

# Device Modeling Report

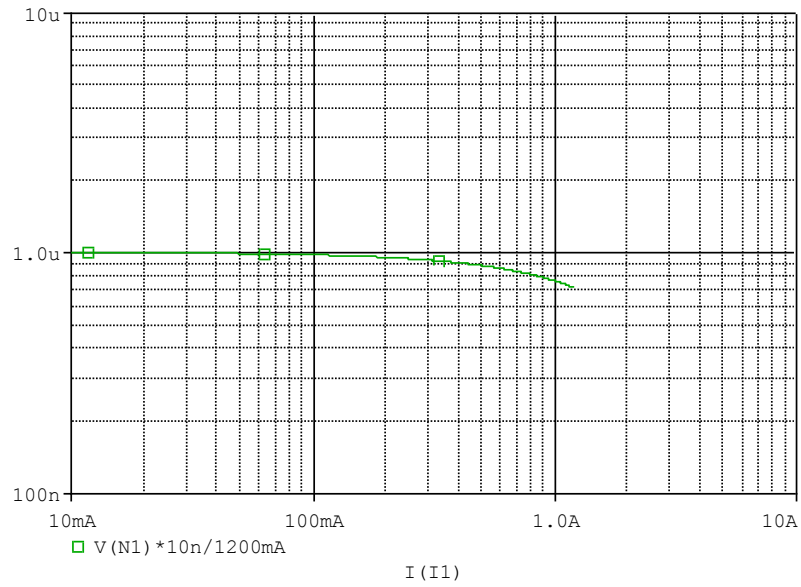
COMPONENTS: Inductance  
PART NUMBER: LQM31PN1R0M00  
MANUFACTURER: Murata Manufacturing Co., Ltd.  
Remark: DC Model



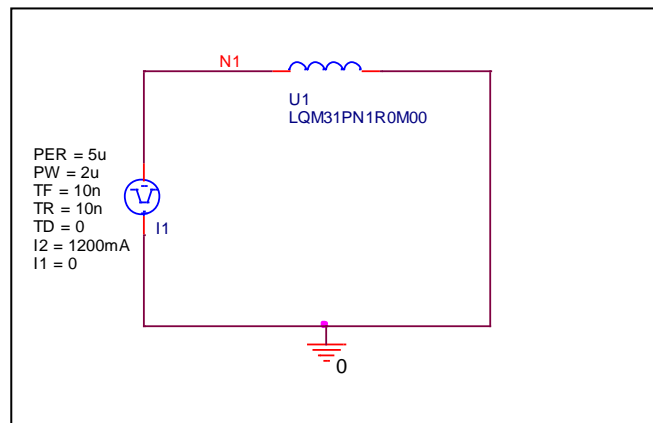
**Bee Technologies Inc.**

# Inductance-Current Characteristics

## Circuit Simulation result

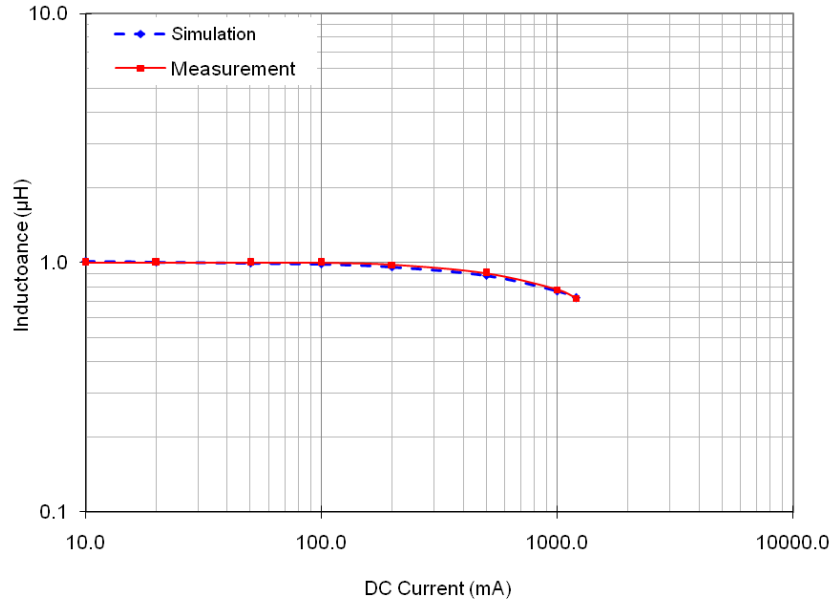


## Evaluation circuit



# Comparison Graph

## Simulation result



## Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	1.000	1.009	0.90
20	1.000	1.007	0.70
50	1.000	0.999	-0.10
100	1.000	0.988	-1.23
200	0.981	0.963	-1.83
500	0.908	0.891	-1.87
1000	0.780	0.769	-1.41
1200	0.720	0.721	0.14