

# Device Modeling Report

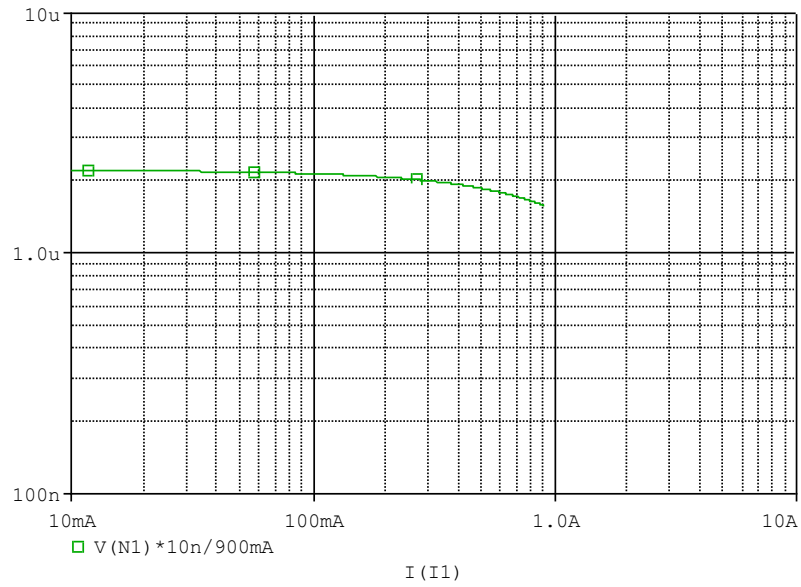
COMPONENTS: Inductance  
PART NUMBER: LQM31PN2R2M00  
MANUFACTURER: Murata Manufacturing Co., Ltd.  
Remark: DC Model



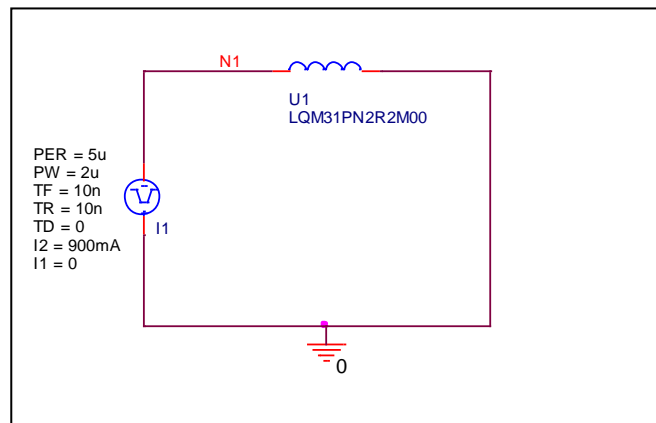
**Bee Technologies Inc.**

# Inductance-Current Characteristics

## Circuit Simulation result

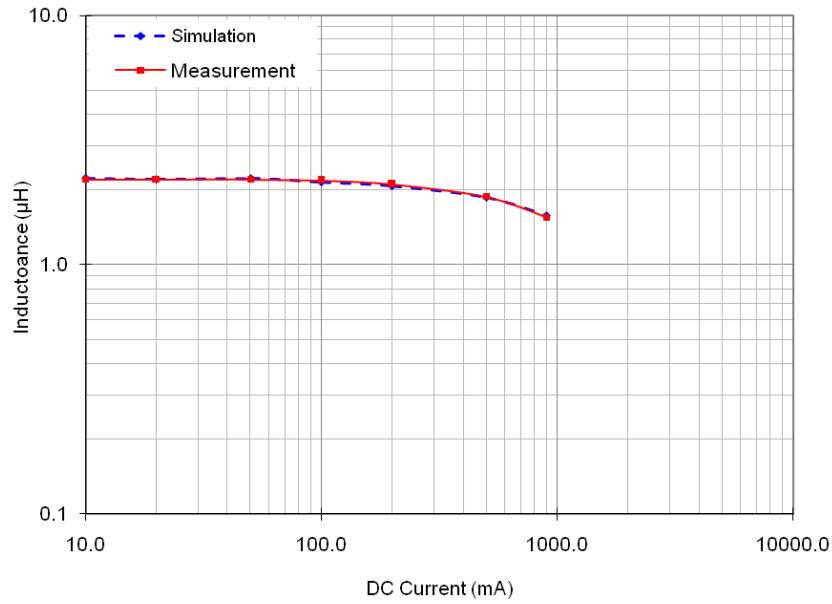


## Evaluation circuit



# Comparison Graph

## Simulation result



## Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	2.200	2.213	0.59
20	2.200	2.206	0.27
50	2.200	2.219	0.84
100	2.175	2.150	-1.15
200	2.100	2.078	-1.05
500	1.875	1.866	-0.48
900	1.550	1.583	2.10