

Device Modeling Report

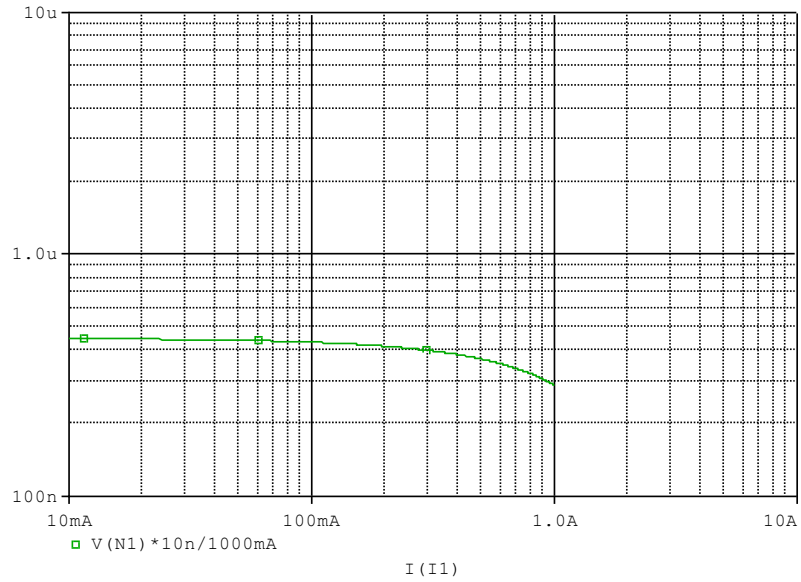
COMPONENTS: Inductor
PART NUMBER: LQM21PNR47MC0
MANUFACTURER: Murata Manufacturing Co., Ltd.
REMARK: DC Model



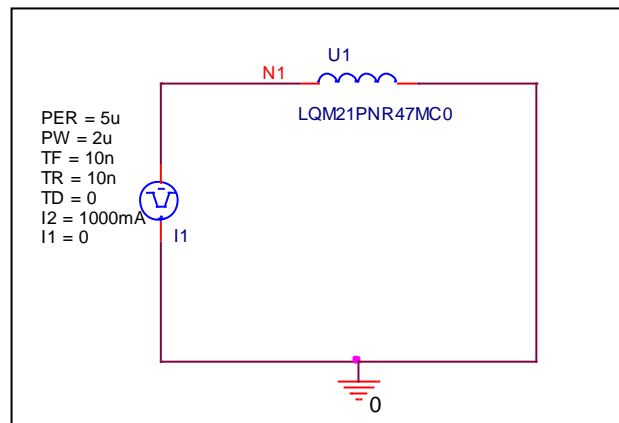
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

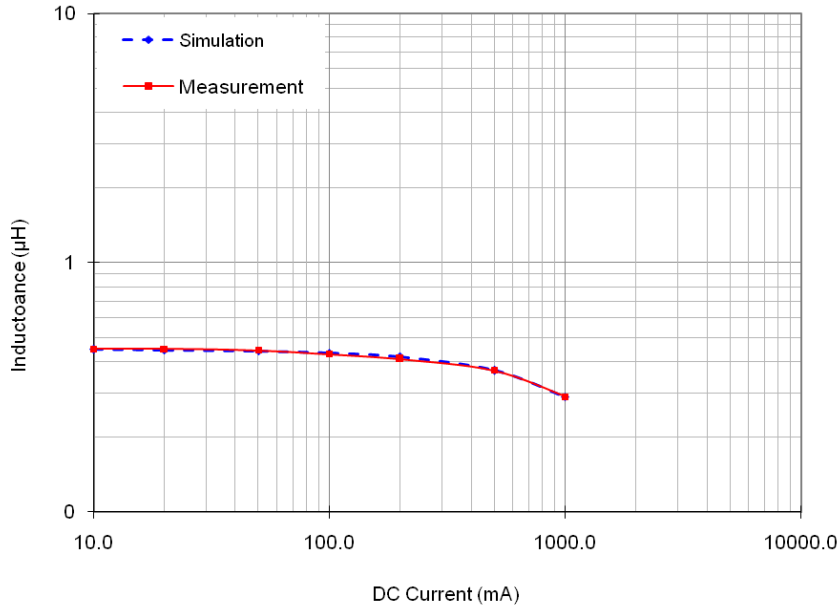


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	0.450	0.448	-0.36
20	0.450	0.447	-0.71
50	0.445	0.442	-0.68
100	0.430	0.434	0.91
200	0.410	0.418	1.91
500	0.370	0.370	-0.11
1000	0.290	0.289	-0.28