

Device Modeling Report

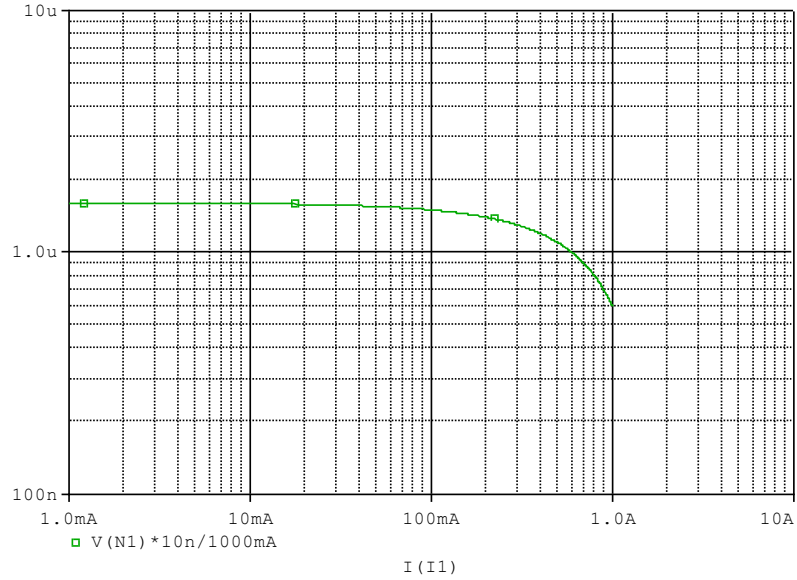
COMPONENTS: Inductor DC Model
PART NUMBER: LQM31PN1R5MC0
MANUFACTURER: Murata Manufacturing Co, Ltd.
Remark: DC Model



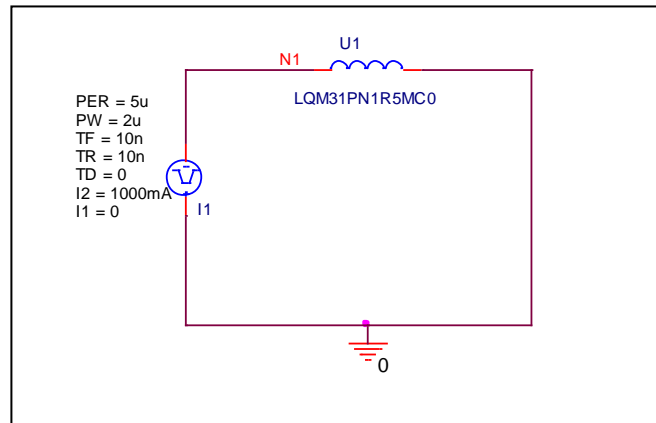
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

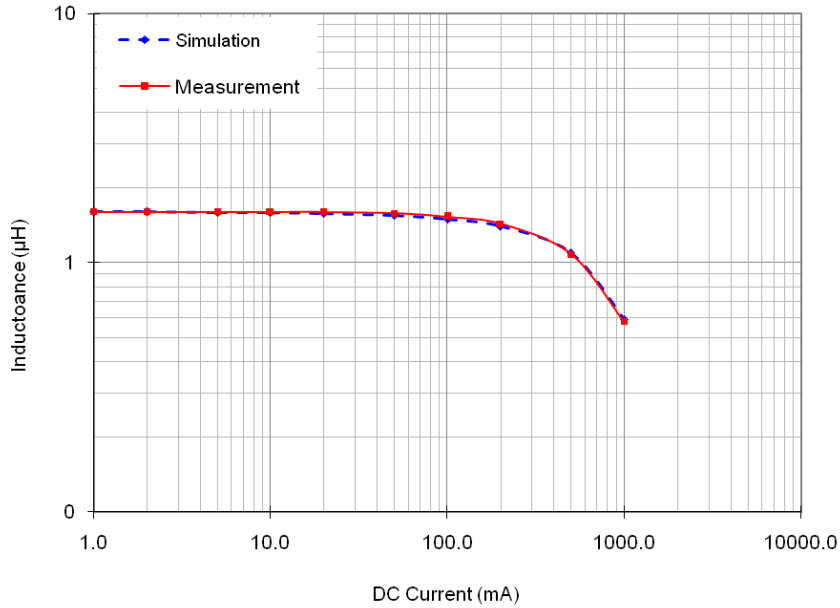


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
1	1.600	1.599	-0.06
2	1.600	1.598	-0.13
5	1.600	1.595	-0.31
10	1.600	1.590	-0.63
20	1.600	1.580	-1.26
50	1.580	1.550	-1.92
100	1.530	1.499	-2.00
200	1.430	1.399	-2.19
500	1.080	1.097	1.56
1000	0.580	0.594	2.36