

Device Modeling Report

COMPONENTS: Inductor DC Model

PART NUMBER: LQH88PN2R2N38

MANUFACTURER: Murata Manufacturing Co, Ltd.

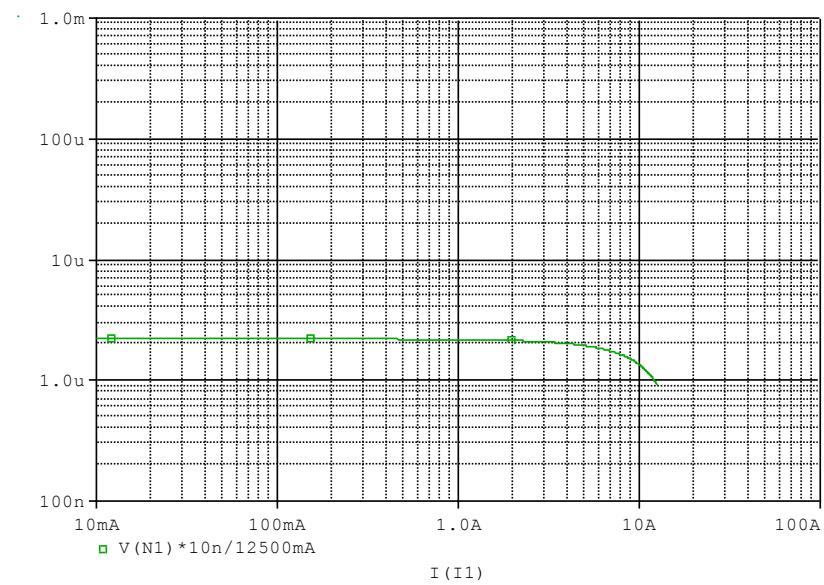
Remark: DC Model



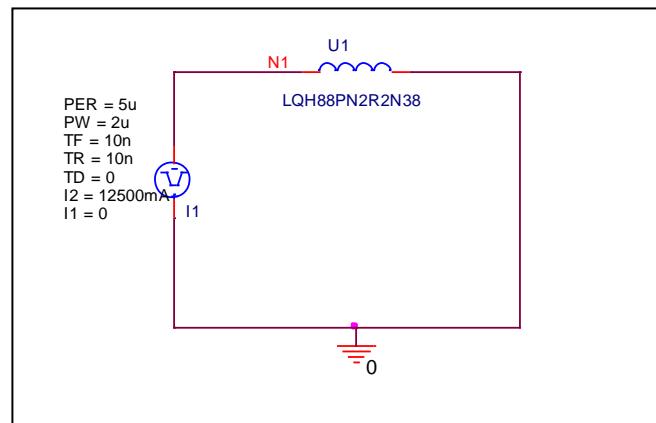
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

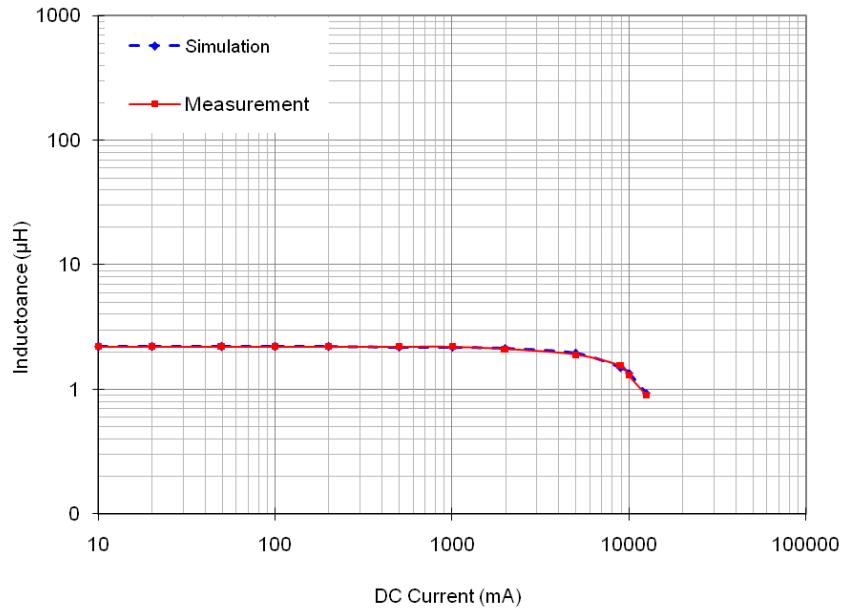


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (μH)		%Error
	Measurement	Simulation	
10	2.200	2.199	-0.05
20	2.200	2.199	-0.06
50	2.200	2.198	-0.09
100	2.200	2.197	-0.14
200	2.200	2.195	-0.23
500	2.200	2.188	-0.56
1000	2.200	2.173	-1.23
2000	2.100	2.134	1.61
5000	1.900	1.937	1.97
9000	1.550	1.491	-3.79
10000	1.300	1.347	3.60
12500	0.900	0.928	3.12