

Device Modeling Report

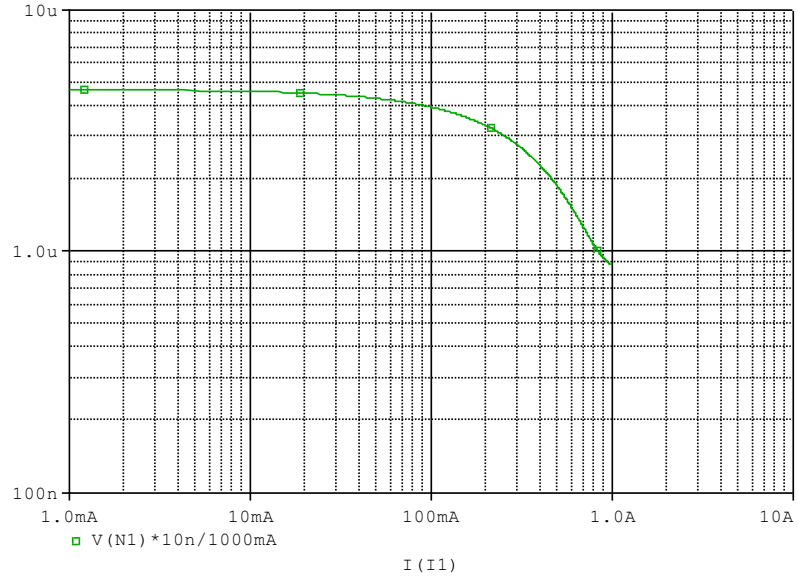
COMPONENTS: Inductor DC Model
PART NUMBER: LQM2HPN4R7MG0
MANUFACTURER: Murata Manufacturing Co, Ltd.
Remark: DC Model



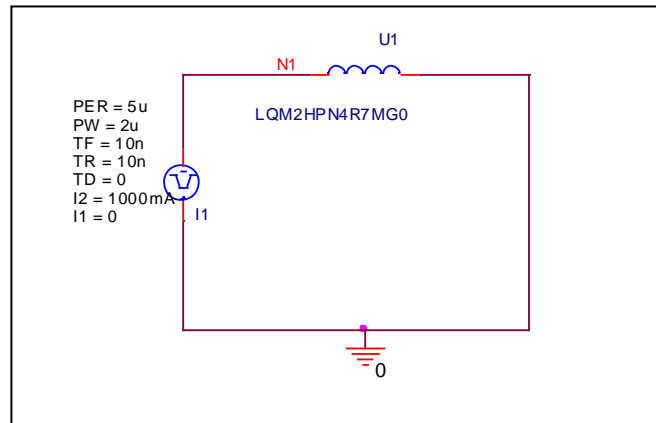
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

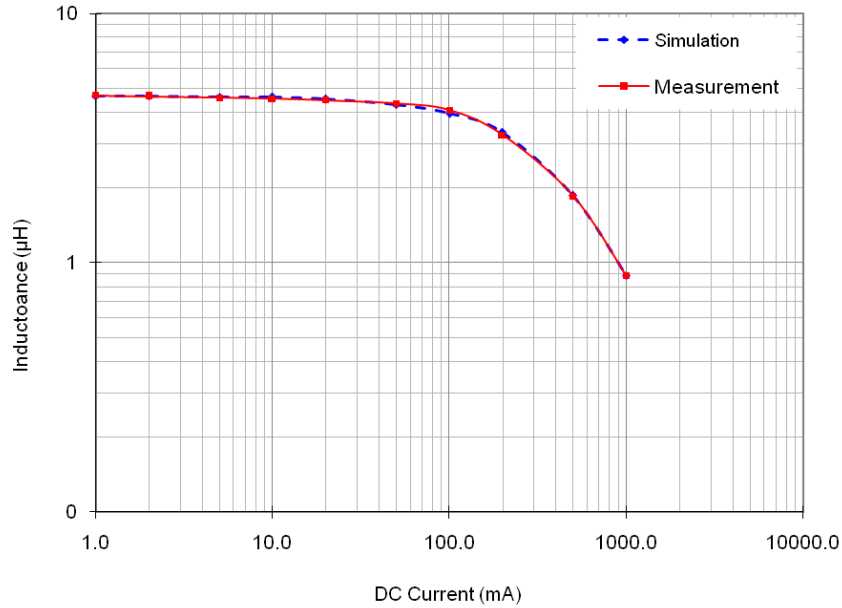


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
1	4.700	4.669	-0.66
2	4.650	4.662	0.25
5	4.600	4.639	0.85
10	4.550	4.602	1.14
20	4.500	4.528	0.62
50	4.350	4.311	-0.90
100	4.100	3.964	-3.33
200	3.250	3.325	2.30
500	1.850	1.854	0.21
1000	0.890	0.888	-0.27