

Device Modeling Report

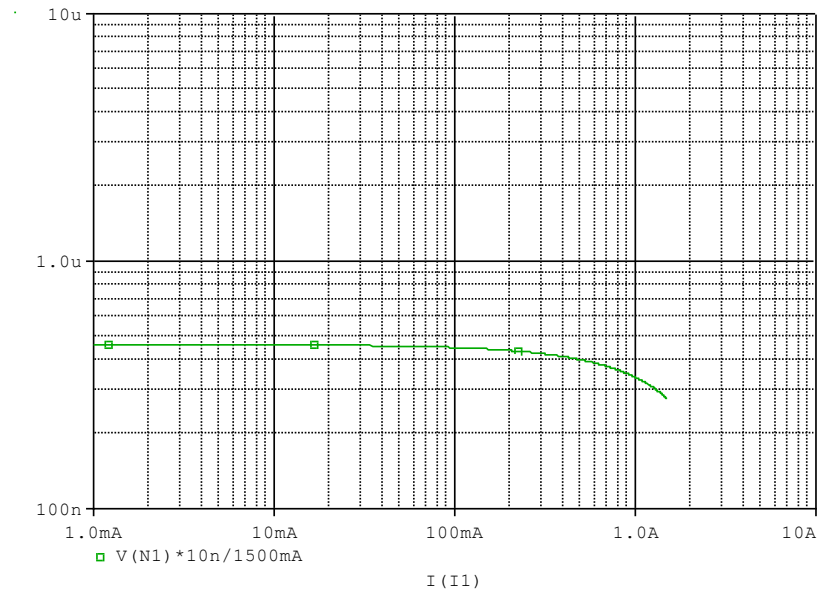
COMPONENTS: Inductor DC Model
PART NUMBER: LQM2HPNR47MG0
MANUFACTURER: Murata Manufacturing Co, Ltd.
Remark: DC Model



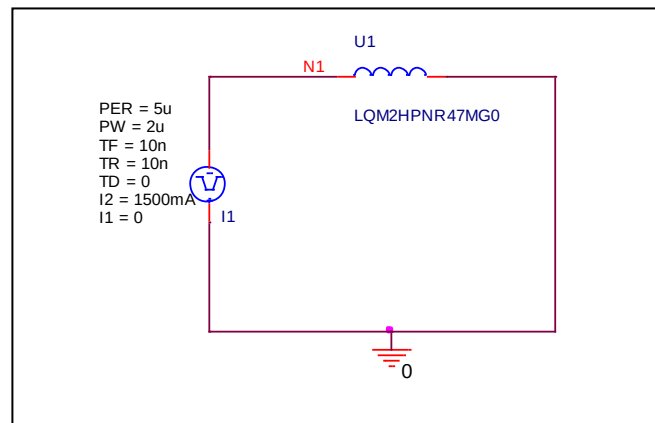
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

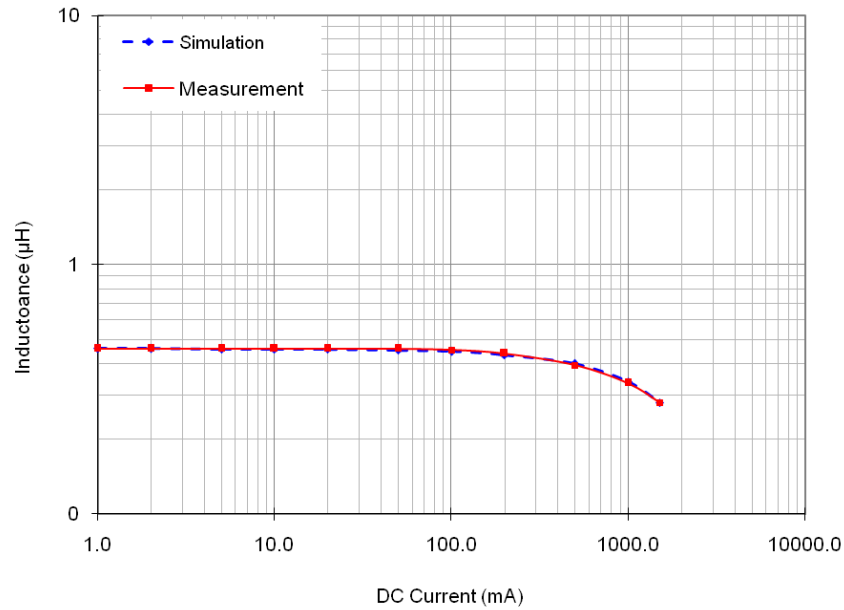


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (μH)		%Error
	Measurement	Simulation	
1	0.460	0.460	-0.03
2	0.460	0.460	-0.05
5	0.460	0.459	-0.13
10	0.460	0.459	-0.26
20	0.460	0.458	-0.52
50	0.460	0.454	-1.31
100	0.455	0.448	-1.55
200	0.440	0.436	-0.93
500	0.395	0.400	1.20
1000	0.335	0.339	1.34
1500	0.280	0.279	-0.28