

Device Modeling Report

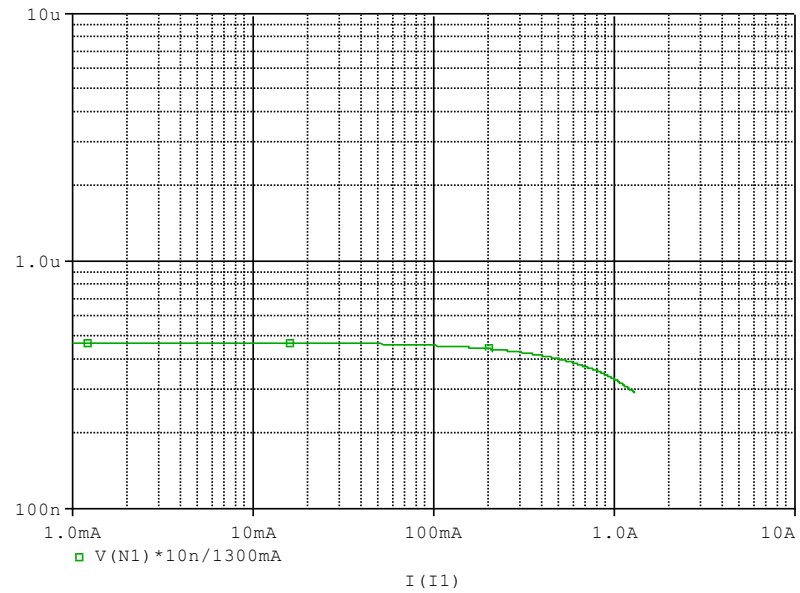
COMPONENTS: Inductor DC Model
PART NUMBER: LQM31PNR47MC0
MANUFACTURER: Murata Manufacturing Co, Ltd.
Remark: DC Model



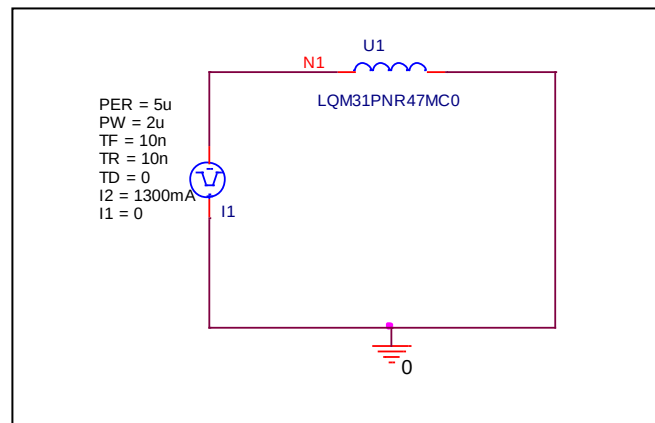
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

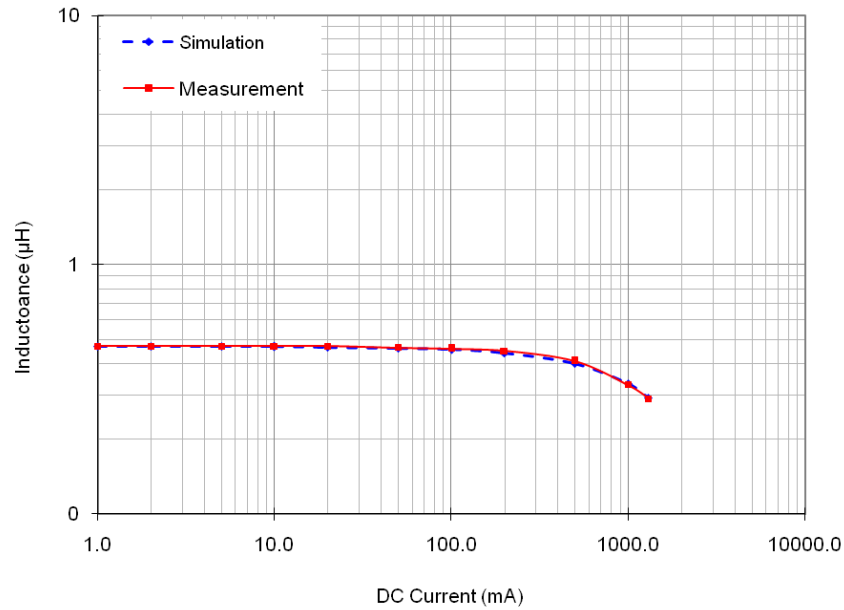


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (μH)		%Error
	Measurement	Simulation	
1	0.470	0.470	-0.03
2	0.470	0.470	-0.06
5	0.470	0.469	-0.14
10	0.470	0.469	-0.29
20	0.470	0.467	-0.58
50	0.465	0.463	-0.39
100	0.460	0.456	-0.79
200	0.450	0.443	-1.61
500	0.410	0.402	-1.99
1000	0.330	0.334	1.12
1300	0.290	0.293	0.97