

Device Modeling Report

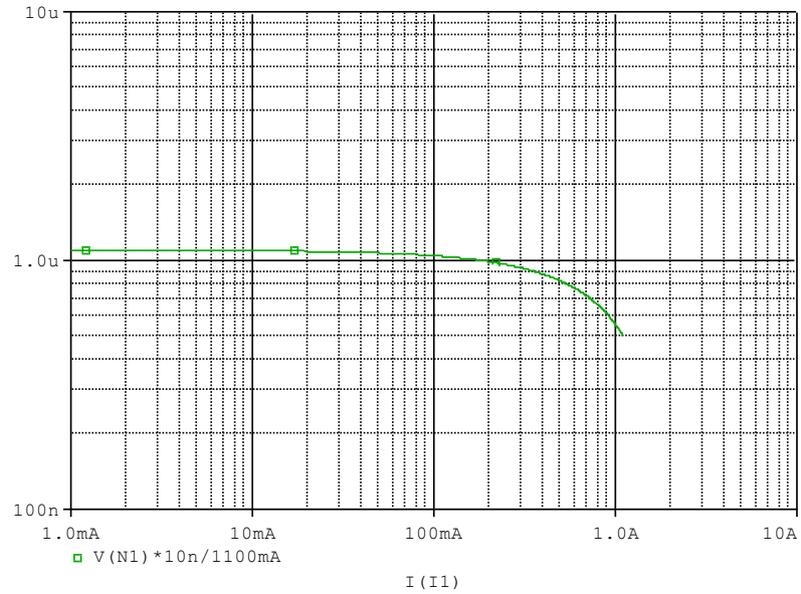
COMPONENTS: Inductor DC Model
PART NUMBER: LQM31PN1R0MC0
MANUFACTURER: Murata Manufacturing Co, Ltd.
Remark: DC Model



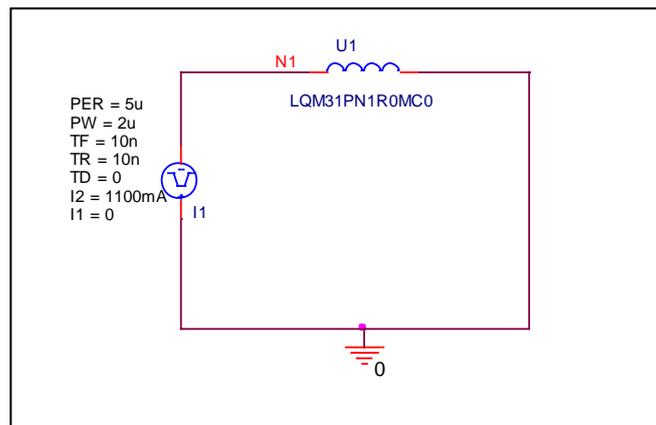
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

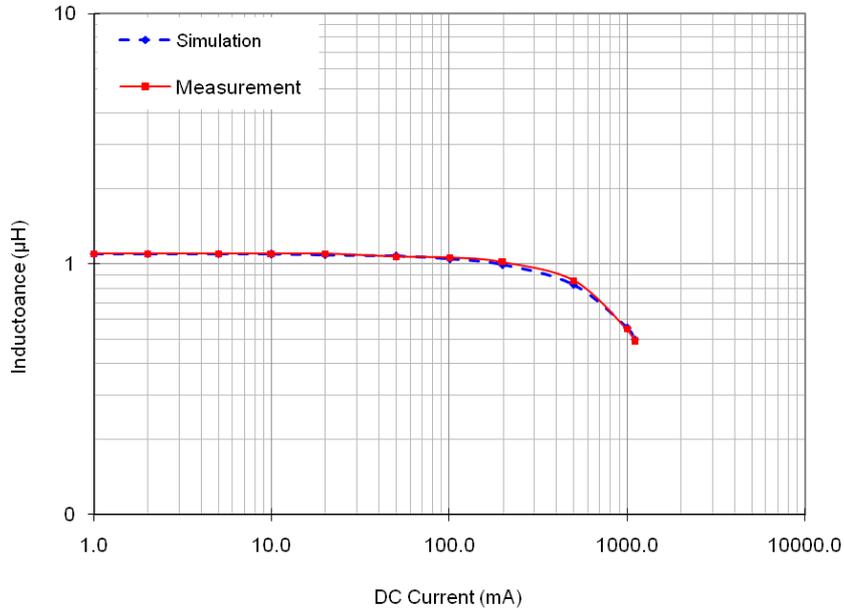


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
1	1.100	1.100	-0.05
2	1.100	1.099	-0.10
5	1.100	1.097	-0.25
10	1.100	1.095	-0.50
20	1.100	1.089	-0.99
50	1.070	1.073	0.25
100	1.060	1.045	-1.38
200	1.020	0.991	-2.85
500	0.860	0.827	-3.81
1000	0.550	0.554	0.80
1100	0.490	0.500	2.01