

Device Modeling Report

COMPONENTS: Inductance

PART NUMBER: LQH44PN470MJ0

MANUFACTURER: Murata Manufacturing Co., Ltd.

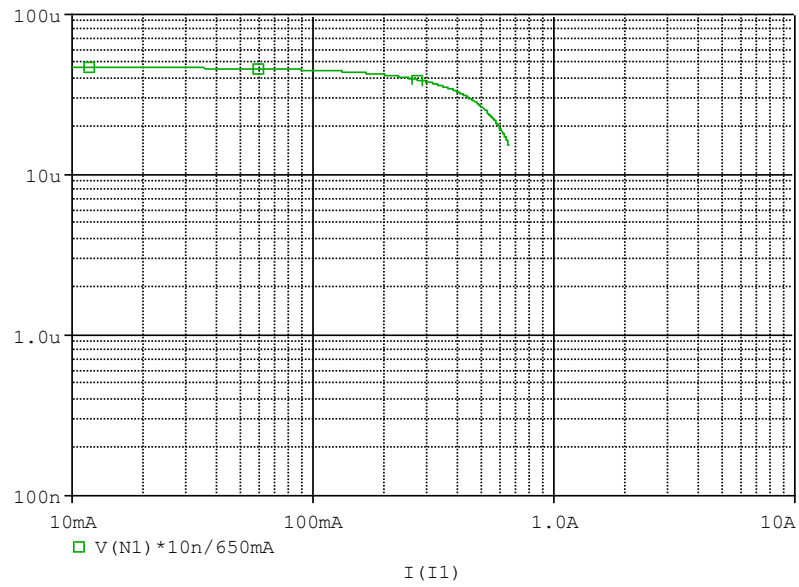
Remark: DC Model



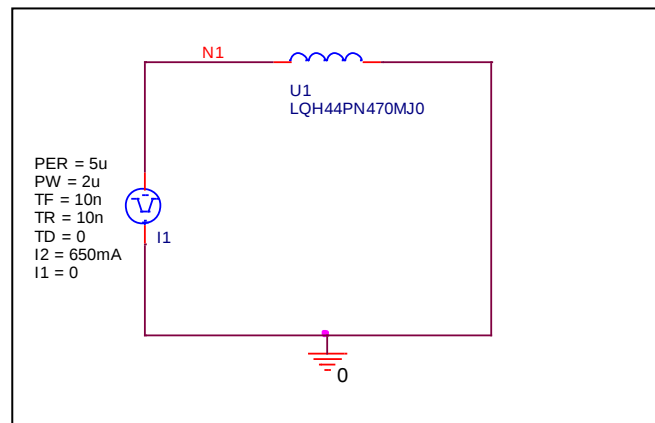
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

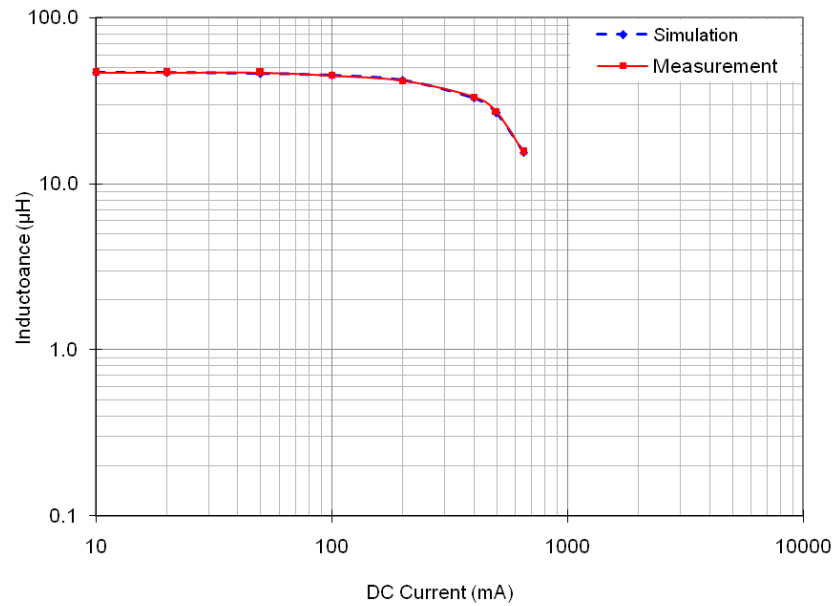


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (μH)		%Error
	Measurement	Simulation	
10	46.500	46.500	0.00
20	46.500	46.484	-0.03
50	46.500	45.974	-1.13
100	44.800	44.907	0.24
200	41.500	41.963	1.12
400	33.250	32.835	-1.25
500	27.100	26.651	-1.66
650	15.500	15.350	-0.97