

Device Modeling Report

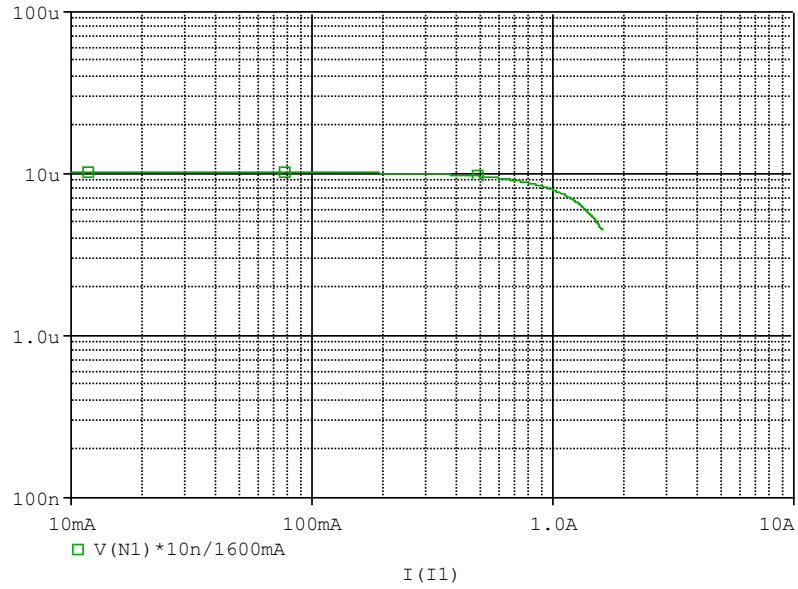
COMPONENTS: Inductance
PART NUMBER: LQH55PN100MR0
MANUFACTURER: Murata Manufacturing Co., Ltd.
Remark: DC Model



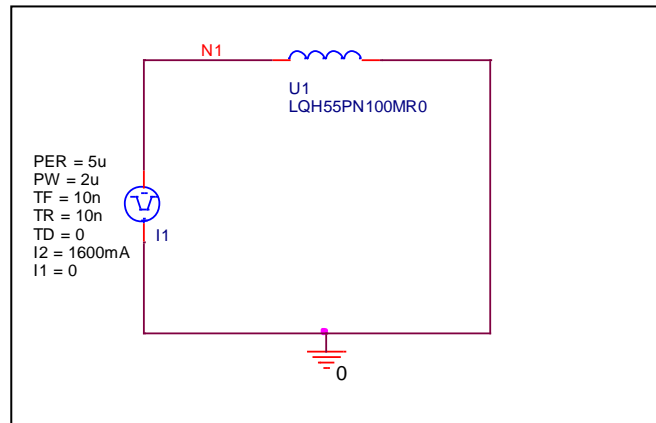
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

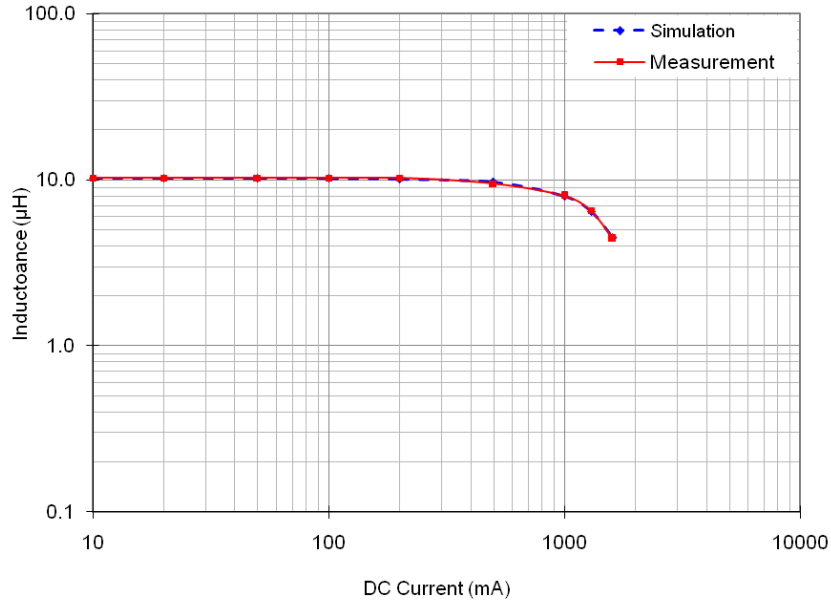


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	10.200	10.200	0.00
20	10.200	10.199	-0.01
50	10.200	10.194	-0.06
100	10.200	10.178	-0.22
200	10.200	10.111	-0.87
500	9.450	9.642	2.03
1000	8.000	7.966	-0.42
1300	6.500	6.425	-1.15
1600	4.400	4.481	1.84