

Device Modeling Report

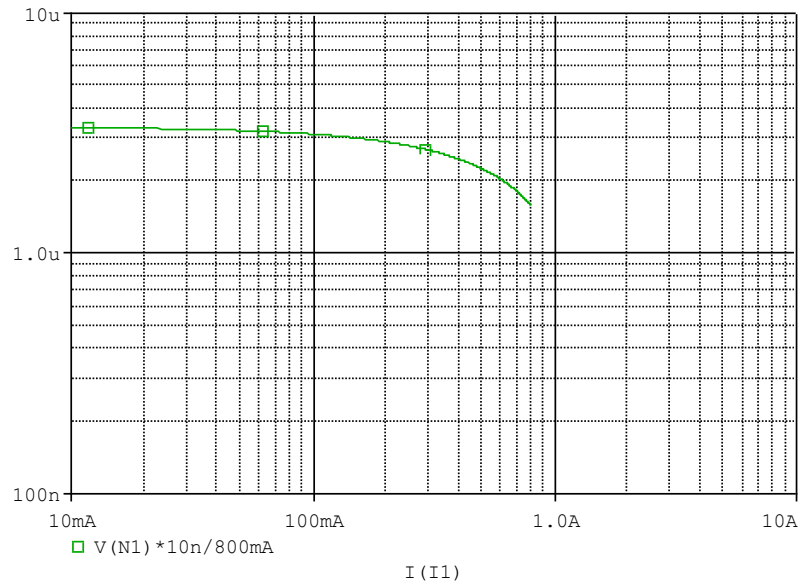
COMPONENTS: Inductance
PART NUMBER: LQM31PN3R3M00
MANUFACTURER: Murata Manufacturing Co., Ltd.
Remark: DC Model



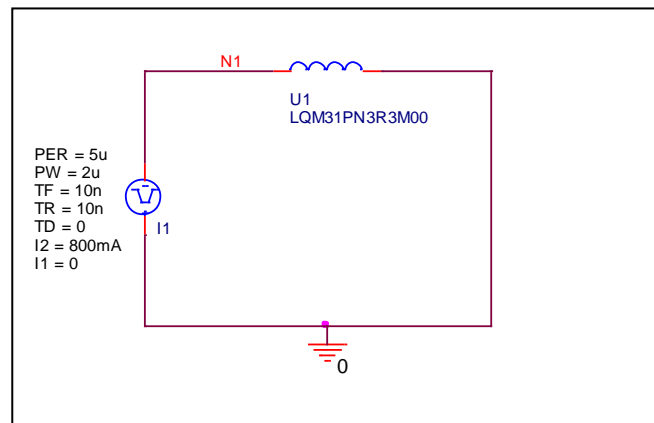
Bee Technologies Inc.

Inductance-Current Characteristics

Circuit Simulation result

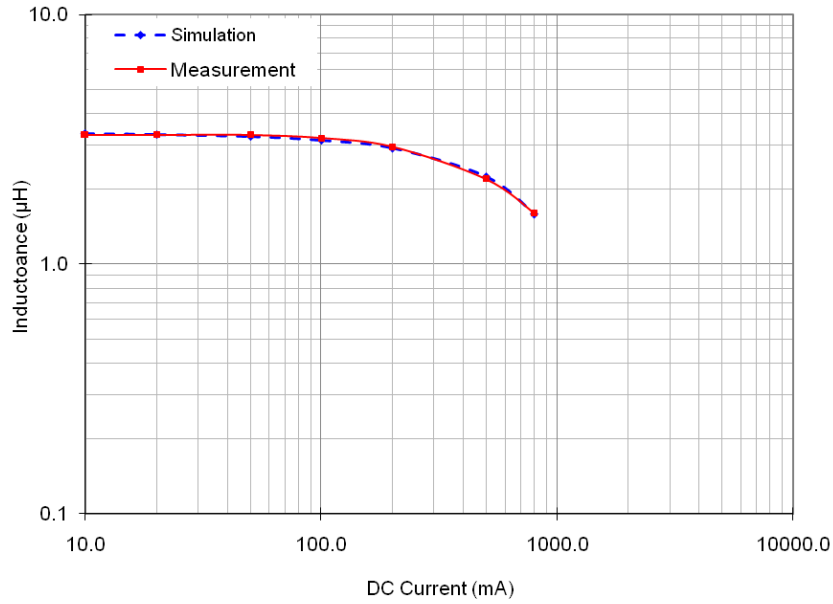


Evaluation circuit



Comparison Graph

Simulation result



Comparison table

I (mA)	L (µH)		%Error
	Measurement	Simulation	
10	3.300	3.338	1.15
20	3.300	3.316	0.48
50	3.300	3.249	-1.54
100	3.200	3.139	-1.92
200	2.950	2.917	-1.12
500	2.200	2.253	2.40
800	1.600	1.588	-0.73