Device Modeling Report

COMPONENTS: CAPACITOR/ ELECTROLYTIC

PART NUMBER: 200MXP100MK2229

MANUFACTURER: Rubycon THERMAL: Ta= 40C (degree)



Bee Technologies Inc.

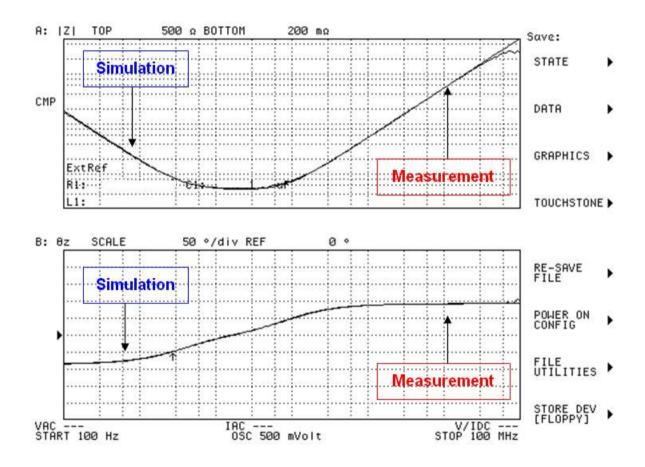
Theory: Auto Balancing Bridge Method

Optimization of Simulation

Range of adjustment Frequency:100 Hz to100M(Hz) Frequency vs.|Z| and Frequency vs. θ z Characteristic

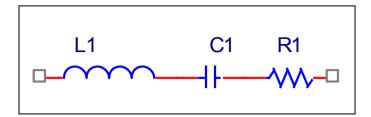
Attention)

Please use SPICE MODEL within the range from 100Hz to 100M(Hz)



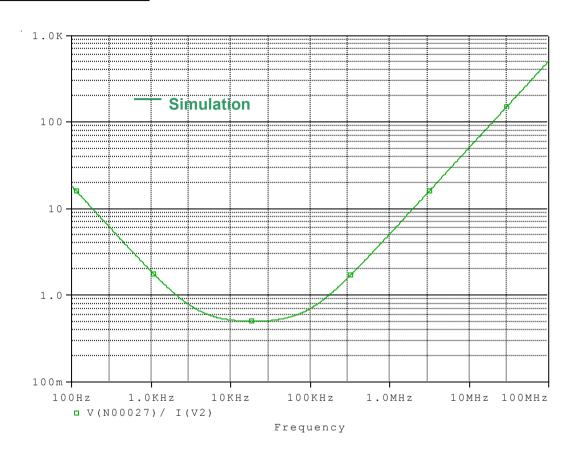
	Measurement	
R1		
C1		
L1		

Equivalent circuit

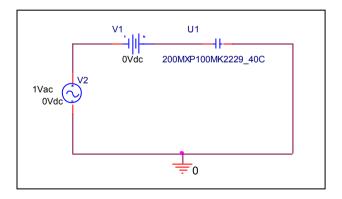


Frequency vs. IZI Characteristic

Circuit Simulation result



Evaluation Circuit



Simulation result

Frequency (Hz)	ΙΖΙ (Ω)		% Error
	Measurement	Simulation	/6 E1101
100	17.381	18.424	5.998
1K	1.775	1.904	7.281
10K	508.795	520.597	2.320
100K	678.151	703.576	3.749
1M	5.826	5.124	- 12.048
10M	52.326	51.010	- 2.515