Device Modeling Report

COMPONENTS: CAPACITOR/ ELECTROLYTIC

PART NUMBER: UUG1A103MRR1MS

MANUFACTURER: Nichicon

REMARK: TA=60C



Bee Technologies Inc.

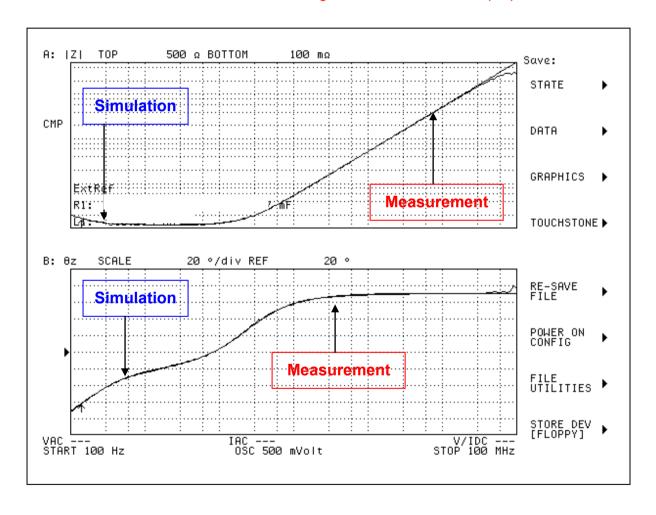
Theory: Auto Balancing Bridge Method

Optimization of Simulation

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

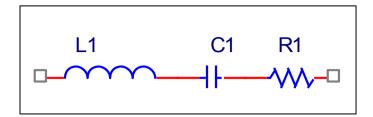
Attention)

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



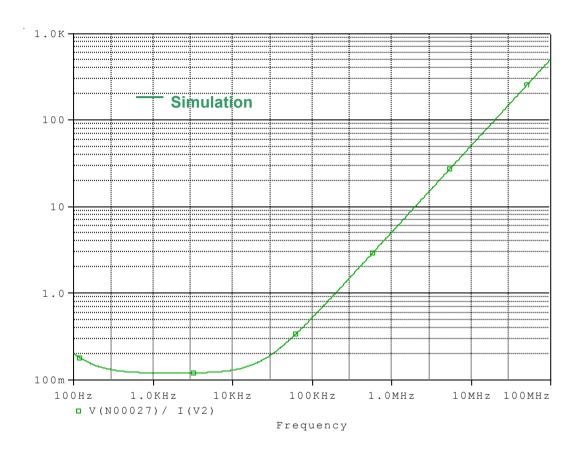
	Measurement	
R1		
C1		
L1		

Equivalent circuit

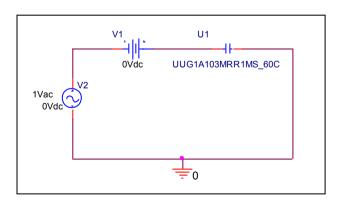


Frequency vs. IZI Characteristic

Circuit Simulation result



Evaluation Circuit



Simulation result

Frequency (Hz)	ΙΖΙ (Ω)		% Error
	Measurement	Simulation	/6 E1101
100	200.355	202.318	0.980
1K	117.491	120.814	2.828
10K	125.506	129.991	3.573
100K	527.793	522.908	- 0.925
1M	5.305	5.091	- 4.029
10M	50.599	50.900	0.595