Device Modeling Report

COMPONENTS: CAPACITOR/ ELECTROLYTIC

PART NUMBER: UUG1E332MNR1M5

MANUFACTURER: Nichicon THERMAL: Ta= 80C (degree)



Bee Technologies Inc.

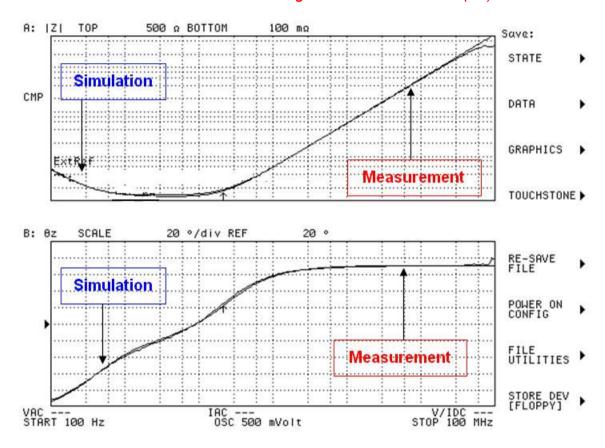
Theory: Auto Balancing Bridge Method

Optimization of Simulation

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

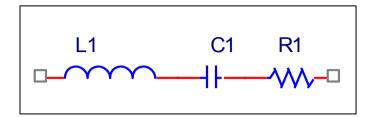
Attention)

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



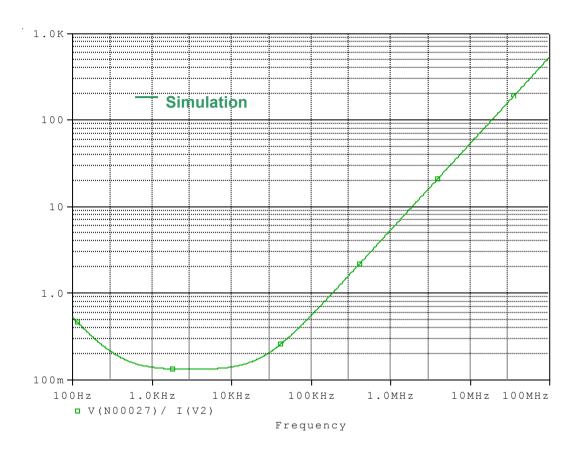
	Measurement	
R1		
C1		
L1		

Equivalent circuit

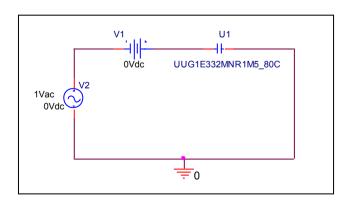


Frequency vs. IZI Characteristic

Circuit Simulation result



Evaluation Circuit



Simulation result

Frequency (Hz)	ΙΖΙ (Ω)		% Error
	Measurement	Simulation	/6 E1101
100	504.566m	528.185m	4.681
1K	134.037m	140.411m	4.756
10K	130.576m	141.443m	8.323
100K	559.608m	555.312m	- 0.768
1M	5.585	5.399	- 3.334
10M	53.284	53.793	0.955