

Device Modeling Report

COMPONENTS: Carbon Resistor
PART NUMBER: R4K7
MANUFACTURER: Unknown



Bee Technologies Inc.

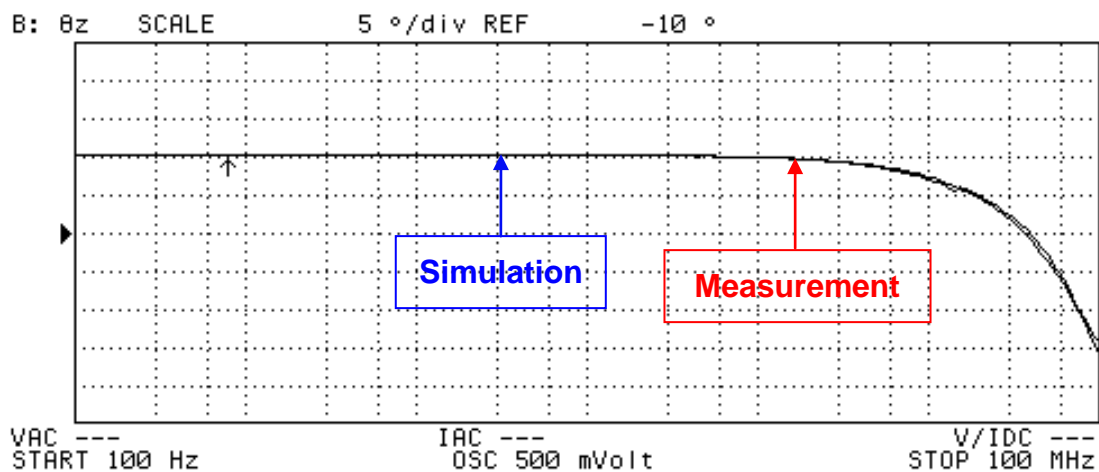
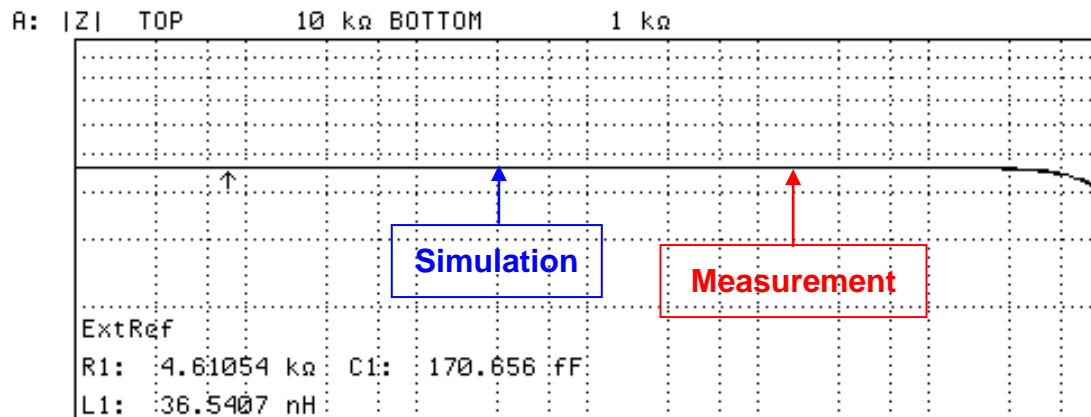
Measurement

Optimization of Simulation

Range of adjustment Frequency: 100 to 100M (Hz)

Frequency vs. $|Z|$

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



L1= 36.5407nH

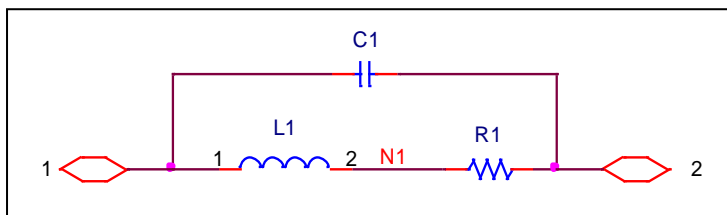
C1= 170.656fF

R1= 4.61054k Ω

SPICE MODEL

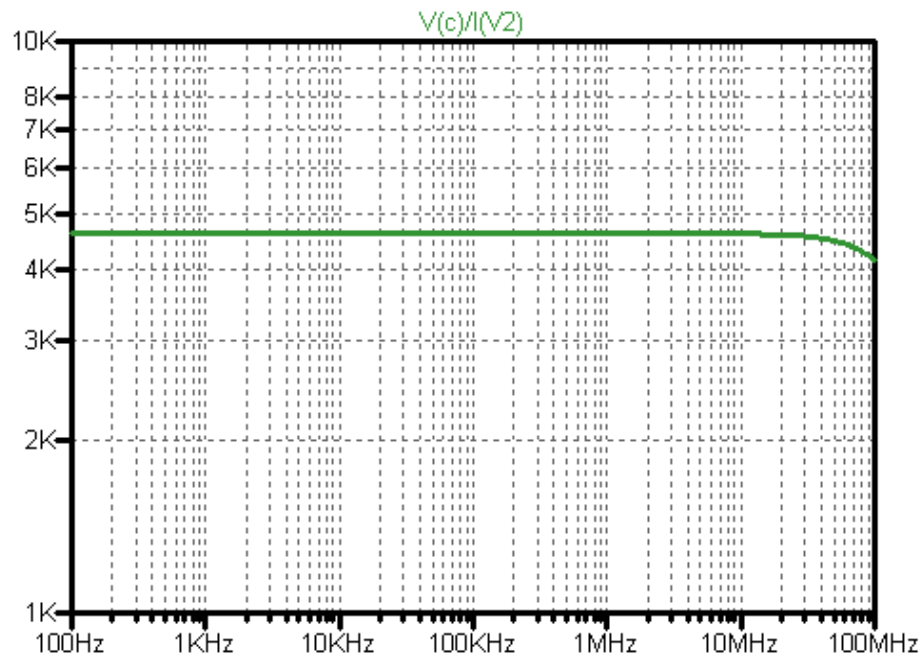
```
*$  
* PART NUMBER: R4K7  
* COMPONENTS: Carbon resistor  
* MANUFACTURER: Unknown  
* All Rights Reserved Copyright (C) Bee Technologies Inc. 2012  
.SUBCKT R4k7 1 2  
L_L1    1    N1    36.5407n  
C_C1    1    2     170.656f  
R_R1    N1    2     4.61054k  
.ENDS  
*$
```

Equivalent Circuit

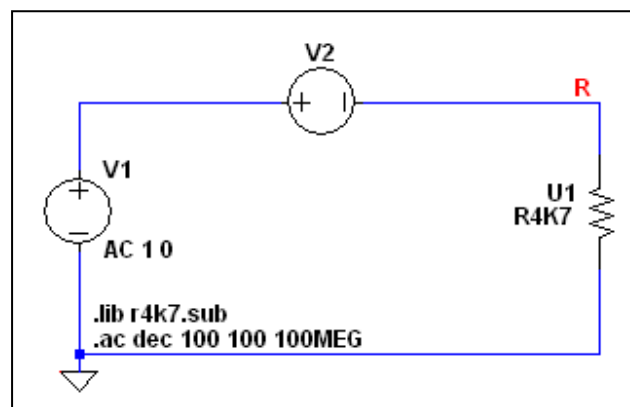


Frequency vs. $|Z|$ Characteristic

Simulation Result



Evaluation circuit



Comparison Graph

