

# Device Modeling Report

COMPONENTS: Ceramic Resistor  
PART NUMBER: R50  
MANUFACTURER: Unknown



**Bee Technologies Inc.**

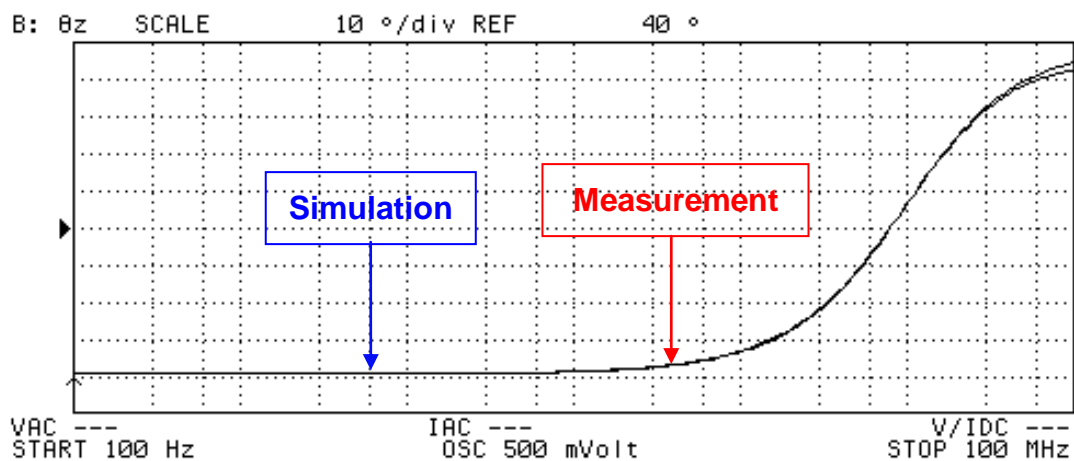
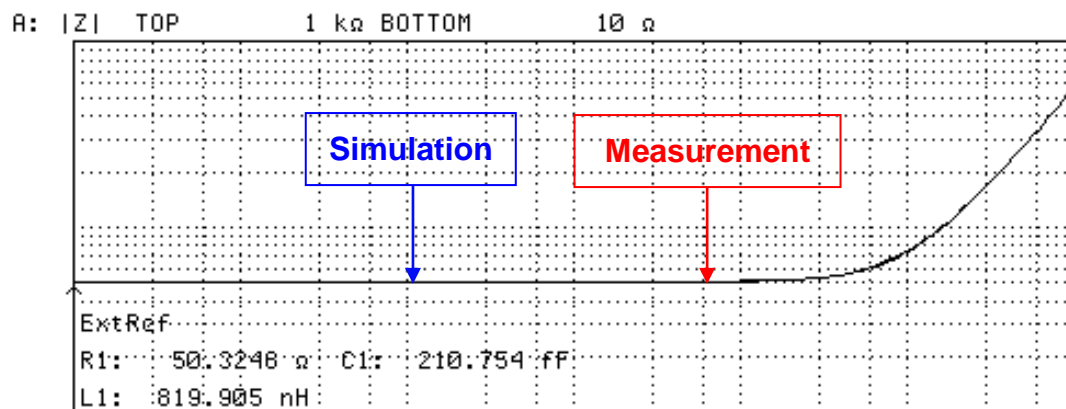
## Measurement

### 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= 819.905nH

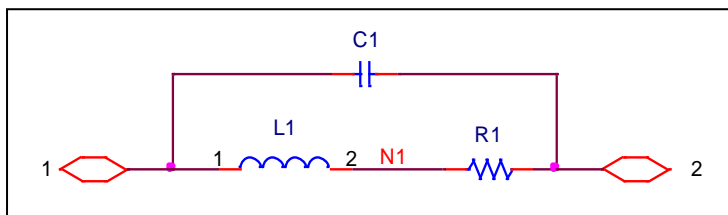
C1= 210.754fF

R1= 50.3248 $\Omega$

## SPICE MODEL

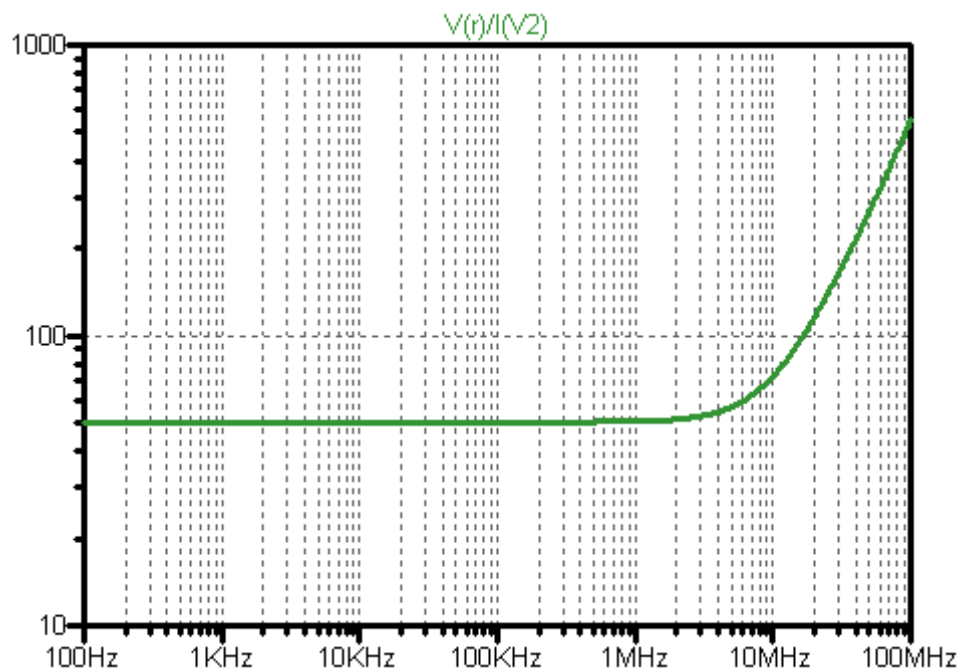
```
*$  
* PART NUMBER: R50  
* COMPONENTS: Ceramic resistor  
* MANUFACTURER: Unknown  
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.SUBCKT R50 1 2  
L_L1    1      N1      819.905n  
C_C1    1      2        210.754f  
R_R1    N1     2        50.3248  
.ENDS  
*$
```

## Equivalent Circuit

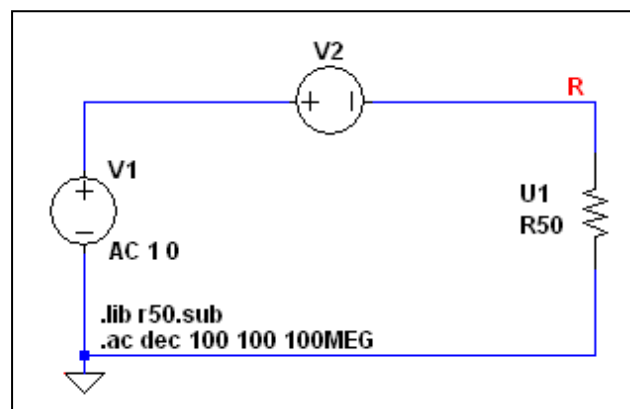


## Frequency vs. $|Z|$ Characteristic

### Simulation Result



### Evaluation circuit



## Comparison Graph

