

# Impedance of electronic components

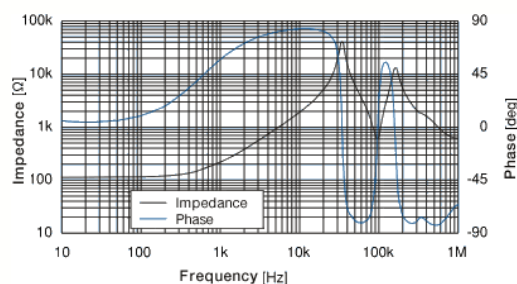
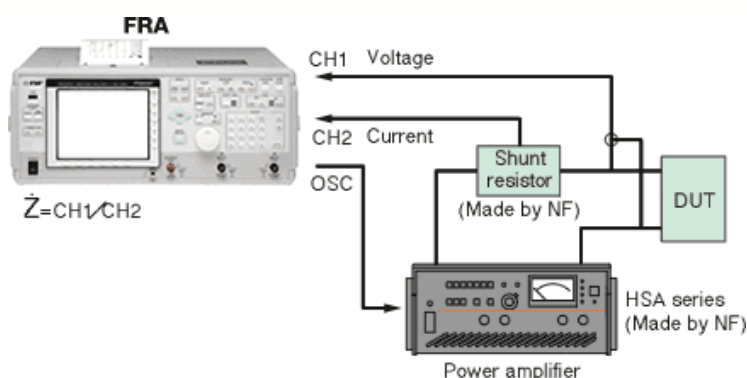
## Key words

- ▶ Capacitor
- ▶ Inductor
- ▶ Transformer
- ▶ Resistor
- ▶ Electronic component material

Frequency Response Analyzer  
FRA5087 / FRA5097

## OUTLINE

In the evaluation of capacitors, inductors and other electronic components, the measuring in the actual operating conditions such as high voltage and large current that cannot be realized by the LCR meter, is necessary.



▲ Impedance characteristics of inductor

## POINT

- In combination with the NF power amplifier, the impedance measurement in the state close to the actual conditions of use, such as a high voltage and large current that are not possible with LCR meter.
- Direct high voltage input up to 250Vrms amplified by power amplifier is possible to measure.
- By selecting the appropriate bipolar power supply, the impedance measurement in the constant voltage and the constant current can be done.

Frequency Response Analyzer

FRA5087 / FRA5097



- Frequency range 0.1mHz to 10MHz / 15MHz
- Gain accuracy :  $\pm 0.05$  dB
- Phase accuracy :  $\pm 0.3^\circ$
- Dynamic range : 140 dB
- Maximum input voltage: 250Vrms
- Auto ranging