Ripple rejection ratio of series regulators

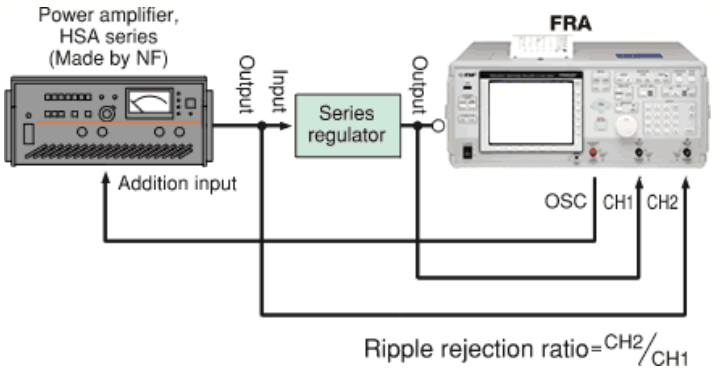
Key words

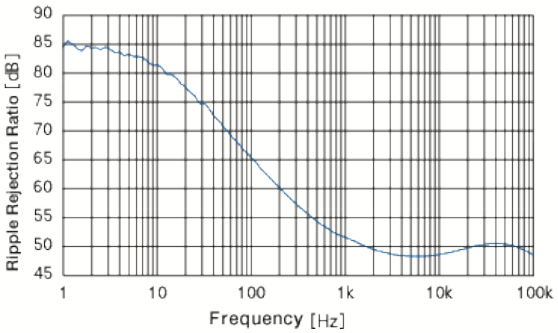
- Series voltage regulator
- Switching power supply
- Inverter
- Converter

Frequency Response Analyzer
FRA5087 / FRA5097

OUTLINE

Series regulator, since a low noise is important, it may be required to measure the ripple rejection characteristics.





▲ Ripple rejection characteristics of series regulator

POINT

- Since the input-to-output isolation 250Vrms, the dc up to ± 200V can be removed and the ripple noise only can be measured.
- In combination with NF power amplifier, the measurement of the characteristics of the high voltage output series regulator is possible.
- Up to 140dB dynamic range measurement.

Frequency Response Analyzer FRA5087 / FRA5097

- Frequency range 0.1mHz to 10MHz / 15MHz
- Gain accuracy : ±0.05 dB
  Phase accuracy : ±0.3°
- Dynamic range : 140 dB
- Isolation:
  250Vrms (INPUT-OUTPUT)
- Auto ranging