



Specification

Output amplitude

- White noise source
- Output amplitude : Adjustable from 0 ~ 3Vpp

Audio amplifier with loud speaker

- Output power : 0.5W
- Speaker : 8W, 0.3W

High pass filter

- 3.4 KHz cutoff

Band pass filter

- Frequency range 7 ~ 13 KHz

Band reject filter

- Frequency range 7 ~ 13 KHz

Matched filter

- psection : 20 KHz cutoff
- T section : 20 KHz cutoff

Switch faults

- 4 switch faults are provided on board to study different effects on circuit

Power supply

- GND, +5V, +12V, -12V

Experiments

- Examine the operation of a noise generator
- Examine the operation of a signal attenuation network
- Measurement of S/N ratio
- Measurement of noise figure
- Measurement of the frequency response and power output of an audio amplifier
- To calculate frequency response of high pass, band pass band reject and matched (T and p section) filters

Note: Specifications are subject to change.