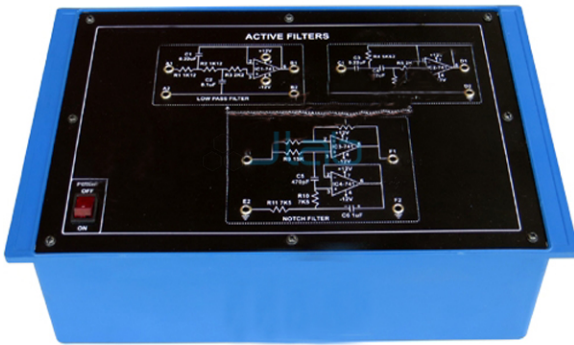


Product Code . JL-AET-1466

Active Filters



Description

Active Filters

Object:-

- To study characteristics of various Active Filters

Specifications:-

Low Pass Filter:-

Upper Cut-off frequency:-

- 1 KHz

Cut-off slope:-

- 29.5 dB/decade

Input impedance:-

- 3.5 K at 1KHz

Output impedance:-

- 18 Ohms at 1KHz

High Pass Filter:-

Lower cut-off frequency:-

- 100 Hz

Cut-off slope:-

- 26 dB/decade

Input impedance:-

- 12 K at 100 Hz

Output impedance:-

- 30 Ohms at 100 Hz

Band Pass Filter:-**Upper cut-off frequency:-**

- 1 KHz

Lower cut-off frequency:-

- 100 Hz

Upper cut-off slope:-

- 29.5 dB/decade

Lower cut-off frequency:-

- 26 dB/decade

Input impedances:-

- 24 K at 100 Hz , 3.5 K at 1 KHz

Output impedances:-

- 30 Ohms at 100 Hz, 27 Ohms at 1 KHz

Notch Filter:-**Notch frequency:-**

- 1 KHz

Input impedance:-

-
- 15 K at 1 KHz

Output impedance:-

- 25 ohms at 1 KHz

Notch width:-

- 100 Hz

Features:-

The board consists of the following built-in parts:-

- $\pm 12\text{V}$ DC at 50mA, IC regulated Power Supply internally connected
- Four Operational Amplifier ICs
- Adequate no. of other electronic components
- Mains ON/OFF switch and Jewel light
- The unit is operative on $230\text{V} \pm 10\%$ at 50Hz A.C.
- Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre
- Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References

Other Apparatus Required:-

- Decade Audio Frequency Generator
- A.C. Millivoltmeter

Active Filters Manufacturer India, Active Filters Exporters, Electronics Active Filters, Buy Active Filters Online India, Educational Equipments for School Lab, Laboratory Equipment Suppliers, Didactic, Didactic Active Filters, Analog Electronics Trainers Equipment Exporters, Scientific Instrument and Equipment Manufacturer.

{ "@context": "http://schema.org/", "@type": "Product", "name": "Active Filters", "image": "https://www.jlabexport.com/images/catalog/product/619243918_2017-10-24.jpg", "description": "Specifications:- Low Pass Filter:- Upper Cut-off frequency:- 1 KHz Cut-off slope:- 29.5 dB/decade Input impedance:- 3.5 K at 1KHz Output impedance:- 18 Ohms at 1KHz High Pass Filter:- Lower cut-off frequency:- 100 Hz Cut-off slope:- 26 dB/decade Input impedance:- 12 K at 100 Hz Output impedance:- 30 Ohms at 100 Hz Band Pass Filter:- Upper cut-off frequency:- 1 Khz Lower cut-off frequency:- 100 Hz Upper cut-off slope:- 29.5 dB/decade Lower cut-off frequency:- 26 dB/decade Input impedances:- 24 K at 100 Hz , 3.5 K at 1 KHz Output impedances:- 30 Ohms at 100 Hz, 27 Ohms at 1 Khz Notch Filter:- Notch frequency:- 1 KHz Input impedance:- 15 K at 1 KHz Output impedance:- 25 ohms at 1 KHz Notch width:- 100 Hz Features:- The board consists of the following built-in parts:- $\pm 12\text{V}$ DC at 50mA, IC regulated Power Supply internally connected Four Operational Amplifier ICs Adequate no. of other electronic components Mains ON/OFF switch and Jewel light The unit is operative on $230\text{V} \pm 10\%$ at 50Hz A.C. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms. Strongly supported by

detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References Other Apparatus Required:- Decade Audio Frequency Generator A.C. Millivoltmeter Active Filters Manufacturer India, Active Filters Exporters, Electronics Active Filters, Buy Active Filters Online India, Educational Equipments for School Lab, Laboratory Equipment Suppliers, Didactic, Didactic Active Filters, Analog Electronics Trainers Equipment Exporters, Scientific Instrument and Equipment Manufacturer.", "brand": "Jlab export", "sku": "5", "gtin8": "5", "gtin13": "5", "gtin14": "5", "mpn": "5", "aggregateRating": { "@type": "AggregateRating", "ratingValue": "5", "bestRating": "5", "worstRating": "0", "ratingCount": "5" } }
