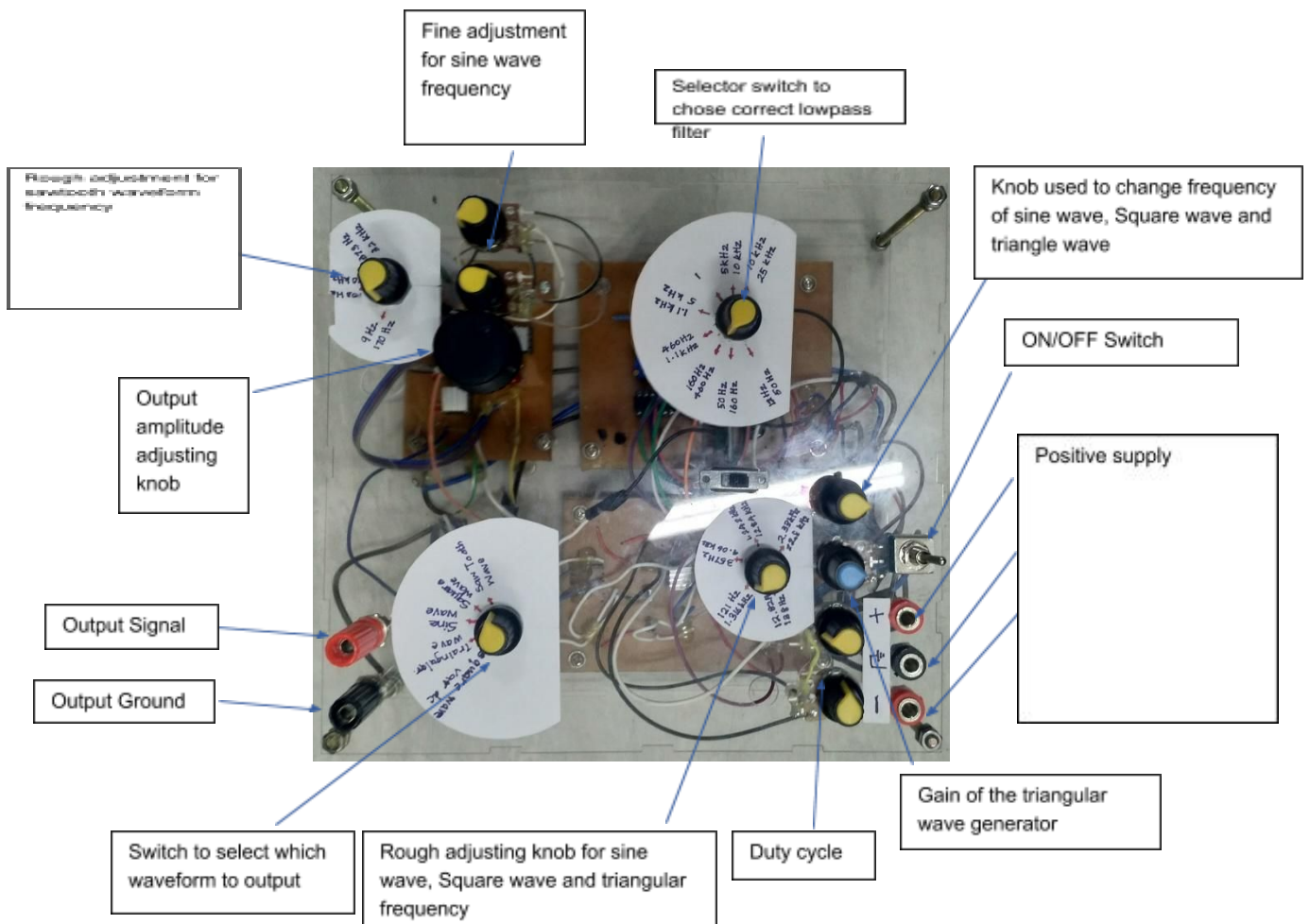
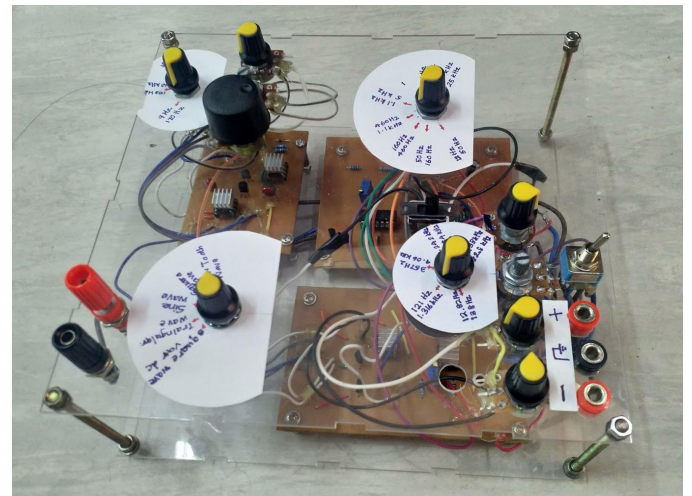


# Data Sheet

## Features

- Wide range of frequencies ,From 13Hz to 22800Hz.
- Variable peak to peak amplitude from 0V to 20V.
- Adjustable duty cycle of the square wave
- Five Waveforms
  - Sine wave
  - Square Waveform (50% duty cycle)
  - Square Waveform (variable duty cycle)
  - Triangular wave
  - Sawtooth wave
- Less power consumption,around 4.8W.
- Can drive a 50 ohm minimum load for 10V Vpp.
- Need +12V, -12V ,0V supply.
- ON/OFF switch



## Specifications

|                             |   |   |
|-----------------------------|---|---|
| Waveforms                   |   | Sine,Square(with variable duty cycle),Sawtooth,Triangular   |
| Frequency characteristics   | <p>Range</p> <ul style="list-style-type: none"> <li>• Sine wave</li> <li>• Square wave</li> <li>• Triangular wave</li> <li>• Sawtooth wave</li> </ul> <p>Resolution</p> <p>1) Sawtooth wave</p> <p>a) 10.4Hz~170 Hz</p> <p>b) 170 Hz~10 kHz</p> <p>c) 10khz-32kHz</p> <p>2) Sine/Square/Triangular</p> <p>a) 12 Hz-50Hz</p> <p>b) 50Hz-130Hz</p> <p>c) 130 Hz-300 Hz</p> <p>d) 300Hz-580 Hz</p> <p>e) 580 Hz-1.3kHz</p> <p>f) 1.3kHz-4.05kHz</p> <p>g) 4.05kHz-12.82kHz</p> <p>h) 12.82kHz-22800Hz</p> <p>3) Precision(sine/square/triangular)</p> <p>a) 12 Hz-50Hz</p> <p>b) 50Hz~130Hz</p> <p>c) 130 Hz-300 Hz</p> <p>d) 300 Hz-580 Hz</p> <p>e) 580 Hz-1.3kHz</p> <p>f) 1.3kHz-4.05kHz</p> <p>g) 4.05kHz-12.82kHz</p> <p>h) 12.82kHz-22.8kHz</p> <p>4) precision(sawtooth)</p> <p>a) 10.4Hz~170 Hz</p> <p>b) 170 Hz-10 kHz</p> <p>c) 10 kHz-28 kHz</p> | <p>12.8 Hz-22800 Hz</p> <p>12.8 Hz-22800 Hz</p> <p>12.8 Hz-22800 Hz</p> <p>10.2 Hz-28000 Hz</p> <p>5Hz</p> <p>400Hz</p> <p>500Hz</p> <p>1Hz</p> <p>2Hz</p> <p>3Hz</p> <p>4Hz</p> <p>40Hz</p> <p>80Hz</p> <p>300Hz</p> <p>600Hz</p> <p>.5Hz</p> <p>.5Hz</p> <p>.5Hz</p> <p>.5Hz</p> <p>2hz</p> <p>20Hz</p> <p>20hz</p> <p>8Hz</p> <p>50Hz</p> <p>200Hz</p> |
| Output Characteristics      | <p>Amplitude(peak to peak voltage)</p> <p>Minimum Load Impedance</p> <p>Resolution</p>  | <p>0V~20V</p> <p>47 ohm</p> <p>.2V~.4V</p>  |
| Square wave characteristics | <p>Duty cycle</p> <p>12 Hz~138 Hz</p> <p>138 Hz-1.319 kHz</p> <p>1.319 kHz-4.033 kHz</p> <p>4.033 kHz-12.81 kHz</p> <p>12.81 kHz-22.8 kHz</p>   | <p>99% ~.8%</p> <p>1.5% ~98%</p> <p>1% ~97%</p> <p>2% ~95%</p> <p>3.2% ~ 95%</p>  |

|                           |  |                   |
|---------------------------|--|-------------------|
| Maximum power consumption |  | 4.8W              |
| Power source              |  | +12V/-12V/0V      |
| Dimension                 |  | 21cm x 19cm x 9cm |