

35885-TE

Mini Waveform Generator Kit with Unassembled Case

Handy module that generates selectable Sine, Square or Triangular waveforms.

Power: 9VDC (12V Max)

Impedance: 600Ohms +- 10%

Range: 1Hz to 1MHz in 5 Jumper Seletable Ranges

1Hz-10Hz

10Hz-100Hz

100Hz-3KHz

3KHz-65KHz

65KHz-1MHz

Jumper Select Output Sine/Square or Sine/Triangle

Sine

Amplitude: 0-3V (9V DC Input): Distortion: Better than 1% (at 1KHz),

Flatness: +0.05dB 1Hz - 100kHz

Square

Amplitude: 8V (without load) (9V DC Input): Rise Time: Less than 50ns (at 1KHz),

Fall Time: Better than 30ns (at 1KHz)

Symmetry: Better than 5% (at 1KHz)

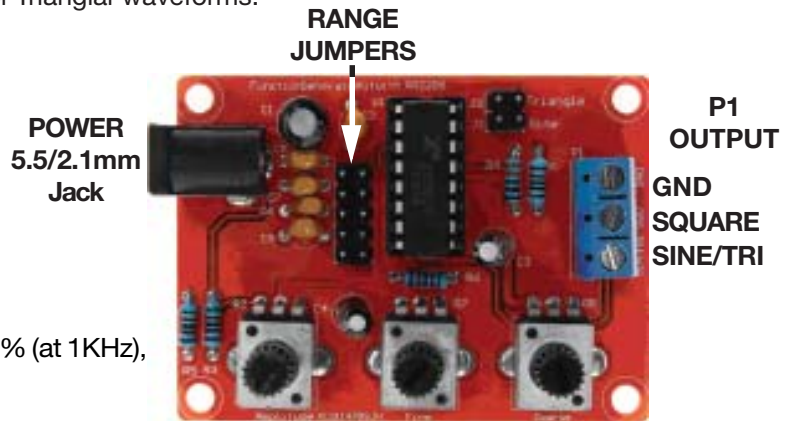
Triangle

Amplitude: 0-3V (9V DC Input): Linearity: Better than 1% (up to 100KHz) 10mA

Drive

PC Board L: 2-7/16" W: 1-3/4" H: 1"

Case: L; 2-7/8" W: 2-1/8" H: 1-1/4" O/A Ship WT: .15



Jumper Selections



- ■ 1Hz-10Hz
- ■ 10Hz-100Hz
- ■ 100Hz-3KHz
- ■ 3KHz-65KHz
- ■ 65KHz-1MHz

NOTE: You can only use One Jumper at a Time



- J2 ■ ■ Triangle
- J1 ■ ■ Sine

NOTE: You can only use One Jumper at a Time

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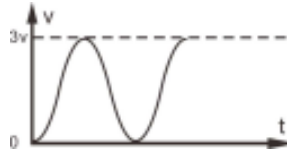
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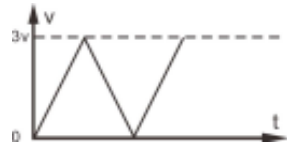
Mini Waveform Generator Kit

Terminal Strip Outputs

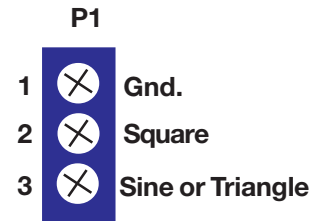
**Jumper J1 Output Sine Wave
on terminal 3**



**Jumper J2 Output Triangle Wave
on terminal 3**



**Output Square Wave
on terminal 2**



Case Assembly

Identify all Parts

- 4 Short Screws & Nuts (For Board)
- 4 Long Screws NO Nuts
- 1 Base (8 Slots & 8 Holes)
- 2 Sides (Long)
- 1 End Big Cutout (For Terminal Strip)
- 1 End Small Cutout (For Power Jack)

1: Attach the 4 Short Screws with the Nuts to the Board
The nuts act like spacers, the end of the screws sit in holes in Base
The PC Board "Floats" in the case

2: Peel off protective paper from plastic

3: Place PC Board on Base so that screw ends drop in holes

Now is where it gets tricky

4: Place the 2 Long Sides into Base

5-A: Place the End piece with large cutout into the Base end
that aligns with the Terminal Strip

5-B: Place the End piece with smaller cutout into the Base end
that aligns with the Power Jack

6: Put the Top piece on

(Notice that the top side is LASER engraved with range positions etc.)

Manipulate the various pieces until all drop into the Notches

OK now time for more fun

7: Fit 1 of the 4 Long Screws through the Top

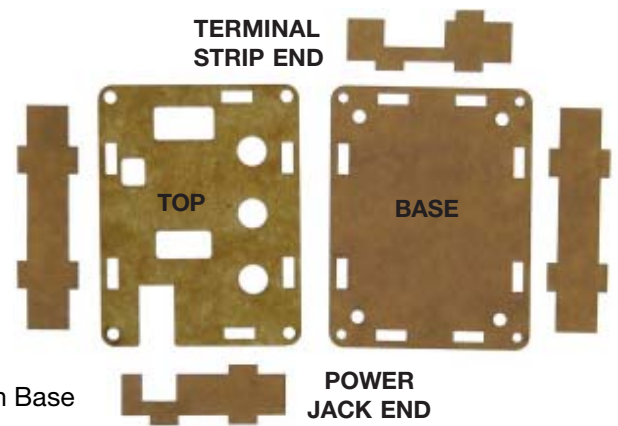
The Base has special cut holes that you must

Carefully screw in the Long Screw

(You are cutting some threads)

Repeat for the remaining 3 Long screws

7: Place Knobs on the Potentiometers



Unassembled Case



Assembled Unit