

NE566 oscillator for the 208 ToolBox

This basic oscillator has square and triangle outputs, switchable hi/lo range, CV input.

The tinijax and banana outputs have their own slide switch to select the output waveform.

The tinijax has a trimpot for each waveform amplitude,

CV can be patched via the inverter "to prog" banana socket,

When applied, it affects the range and can mute the oscillator if the frequency pot is turned too far CW. Don't hope to have accurate tracking like the CO or MO, but it's much better than no CV at all for such a small circuit (no room for a mixer or expo converter).

BOM :

NE566

3 x mini slide switch

<http://www.taydaelectronics.com/electromechanical/switches-key-pad/slide-switch/mini-slide-switch-1p2t-through-hole-0-2a-24vdc.html>

tinijax socket

banana socket

resistors

12k

3 x 10k

470 ohms

39 ohms

10k lin 9mm pot

2 x 10k to 100k vertical trimpot

capacitors

47nF film

1 μ F film