

LFO Description:

The oscillator consists of an integrator DA1D, DA1C, DA3C and an OpAmp Schmitt-Trigger DA1A, DA1B, DA3B. The triangle wave of the oscillator arises through the feedback of the trigger output to the input of the integrator. At the integrator output DA1D, DA1C, DA3C arises a triangle with the amplitude of the hysteresis of the Schmitt-Trigger. The input voltage of the integrator sets the rise and fall time of the voltage output. The square wave output is buffered with DA2B, DA5A. The circuitry around DA2A, DA5B, DA3D provides the saw output. DA3A inverts the saw.

LFO Calibration

Adjust the output amplitude of each LFO with corresponding trimmer potentiometer R15 (LFO1), R31 (LFO2), R48 (LFO3) to -5V ... +5V.