



# KORG POLYSIX ENSEMBLE LFO

1999. Drawn by Marjan Urekar

This LFO uses one CD4069 hex CMOS inverter chip in linear opamp mode. There are two LFOs set to different frequencies, in 3 phase oscillator configuration. Each stage has sort of trapezoidal output, shifted 120 degrees to previous one.

Res/cap values are from Korg Polysix Ensemble effect section, but you can tweak res/caps to obtain wanted speeds.

Summing resistors should also be chosen to accommodate your needs. Just keep values in triples the same (like all 3 caps the same value whatever it is).

Outputs are mixed and used to modulate 3 parallel BBD delay lines (for Ensemble effect).

You can make more LFOs and sum all of them for more modulation.

Original onamp was 1/2 4558. +/-V = +/-15V