

LA3410

monolithic linear IC

CIRCUIT DRAWING
No.2058

VCO NON-ADJUSTING MULTIPLEX
STEREO DEMODULATOR



3006A

Functions

- Gain variable type post amp.
- Forced monaural (VCO stop).

Features

- Non-adjusting VCO (Eliminates the need to adjust free-running frequency.) The oscillation frequency is determined by the natural resonance frequency of external ceramic resonator.
- VCO is stable to ambient temperature changes. The stability is determined almost entirely by the characteristic of ceramic resonator. $\Delta F \leq \pm 0.1\%$ for $\pm 50^\circ\text{C}$ change
- Less beat distortion at high frequencies (The use of a resonator permits the capture range to be narrower.)
- MAIN THD = 0.07% typ. at $f = 10\text{kHz}$.
- Low distortion:
 - MONO = 0.015% typ. (1kHz 300mV input).
 - MAIN = 0.02% typ. (1kHz 300mV input).
- High S/N: 88dB (Measured at MONO 300mV input LPF).
- High voltage gain (8.5dB at standard constants).
- Wide dynamic range: $V_{\text{imax}} = 700\text{mV}$ MONO.
- Wide operating voltage range: $V_{\text{CC}} = 5.4$ to 14V.
- Good ripple rejection of power supply: 37dB typ.

LA3430

monolithic linear IC

CIRCUIT DRAWING
No.2059

VCO NON-ADJUSTING MULTIPLEX STEREO
DEMODULATOR



3020A

Functions

- Non-adjusting VCO
- SNC
- Stereo-monaural automatic select
- Forced monaural
- Pilot cancel
- HCC
- VCO oscillation stop

Features

- Non-adjusting VCO: Eliminates the need to adjust free-running frequency.
- VCO is stable to ambient temperature changes. (The stability is determined almost entirely by the characteristic of ceramic resonator.) ± 0.1 to 0.15% for $\pm 50^\circ\text{C}$ change
- Low distortion: 0.07% typ. 300mV input MONO.
- Good ripple rejection of power supply: 35dB typ.
- Wide operating voltage range: $V_{\text{CC}} = 6.5$ to 14V
- Good space factor due to single-end package.
- Easy to draw printed circuit pattern due to pin-to-pin space of 3mm.

LA3510M

monolithic linear IC

CIRCUIT DRAWING
No.2060

3V RECORDING/PLAYBACK AMPLIFIER
SYSTEM



3036B

Package

- MFP-20

Functions

- Playback preamplifier, recording preamplifier, recording amplifier, ALC, LED driver.
- Electronic switch for REC/PLAY switchover.

Features

- Excellent reduced voltage characteristic.
- Playback preamplifier output and recording preamplifier output are independent of each other, and gain can be set with external parts.
- Wide ALC range.
- Quick starting time (0.25sec.)
- Electronic switch for recording/playback switchover.
- Very compact package.