

LA3370

monolithic linear IC

CIRCUIT DRAWING
No.2053**PLL FM MULTIPLEX STEREO
DEMODULATOR**

3020A

This has two useful functions. One is the Stereo Noise Control function which decrease the noise peculiar to FM stereo. The other is the High fre-

quency-Cut-Control function which attenuates high frequency smoothly.

Functions

- Stereo Noise Control (SNC pin)

Decreases FM stereo noise at faint electric field controlling pin voltage from stereo to mono.

- High frequency-Cut-Control (HCC pin)

Reduces high frequency of FM noise at faint electric field, controlling pin voltage smoothly from normal condition to high frequency cut condition. A peripheral capacitor decides

attenuation amount.

- Auto Changing between stereo and mono. Works prior to stereo noise control function. Pilot signal precedes.

- VCO oscillation function stopping.

VCO oscillation stops supplying 7.5V min. to HCC pin. Then stereo lamp does not malfunction.

- Separation controllable.

Features

- Low distortion: 0.05% typ./input: mono 300mV.

- Good power ripple rejection: 35dB typ.

- Wide operating supply voltage range: $V_{CC}=6.5$

to 14.0V.

- Single end packaging advantageous for assembly.

- 3mm pitch pin interval advantageous for printed pattern designing.

LA3375

monolithic linear IC

CIRCUIT DRAWING
No.2055**PILOT CANCELER-PROVIDED PLL
FM MPX STEREO DEMODULATOR**

3020A

Functions

- Pilot canceler (Level follow-up type)

- Stereo noise controller (SNC function)

- High frequency cut controller (HCC function)

- Automatic selection between stereo and monaural

- VCO oscillation stop

Features

- Low distortion (0.05% typ. 300mV input mono).

- Good ripple rejection of power supply (35dB typ.).

- Wide supply voltage range ($V_{CC}=6.5V$ to 14V).

- Favorable space factor due to single end package.

- Easy to draw printed circuit pattern due to pin-to-pin space of 3mm.

LA3390

monolithic linear IC

CIRCUIT DRAWING
No.2056**FM ACCESSORY CIRCUIT-PROVIDED PLL
FM MPX STEREO DEMODULATOR**

3021B

Functions

- PLL multiplex stereo demodulator

- Gain variable type post amp. contained

- FM ↔ AM changeover

- Muting at the time of FM ↔ AM changeover

- Muting

- VCO stop and forced monaural

Features

- Low distortion: 0.02% typ./mono 1kHz 300mV input.

- High S/N: 84dB typ./mono 300mV input

- Good ripple rejection of power supply: 40dB typ.

- High voltage gain: App. 9dB/FM, app. 15dB/AM (standard circuit constant).

- Wide dynamic range: Distortion less than 1.0% at mono 1000mV, 1kHz input.

- Separation adjustable.