

**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.