

LA2500

monolithic linear IC

CIRCUIT DRAWING
No.2038**PSEUDO CLASS A BIAS CIRCUIT FOR
POWER AMP**

3017B

Features

- Incorporating the LA2500 in a pure complementary class B power amp permits this amp to be changed to a pseudo class A power amp easily.
- The power transistors in the pseudo class A power amp are not cut off, resulting in considerable reduction in switching distortion and crossover distortion.
- Applicable to 2-stage/3-stage Darlington power amp.

LA2600

monolithic linear IC

CIRCUIT DRAWING
No.2039**DUAL ATTENUATOR (ELECTRONIC
VOLUME CONTROL)**

3004A

Features

- Wide operating supply voltage range.
- Gain controlled by an input voltage or a resistor.
- Less thermal drift of attenuation amount.
- Large attenuation amount.
- Large channel separation.
- Small distortion when attenuated.

LA2730

monolithic linear IC

CIRCUIT DRAWING
No.2040**DOLBY B-TYPE NOISE REDUCTION SYSTEM**

3006A

General Description

The LA2730 is a monolithic circuit which performs Dolby[®] B-type noise reduction processing on an audio signal. The Dolby B-type noise reduction system is used to reduce hiss in consumer tape recording equipment and in FM broadcast receivers. (*: Licensed by Dolby Laboratories Licensing Corporation.)

The versatile circuit configuration of the LA2730 allows a complete record/playback system for a stereo tape recorder, or a complete stereo Dolby FM decoder, to be built with just two LA2730's and a few discrete components.

- Versatile configuration with programmable input, output amplifiers.
- Superior matching to Dolby B-type standard.
- Wide operating voltage range: 10 to 20V.
- High S/N (CCIR/ARM weighting, encode).
- Low distortion: 0.03% at pin 16 (+10 at pin 13 f = 1kHz, encode.)
- Wide dynamic range: 0.05% at pin 14 THD (+20dB at pin 13 f = 1kHz, encode.)
- Pin compatible with μ A7300.
Note (Reference voltage at pin 8 is lower than that of μ A7300.)
- Low DC voltage shift at pin 6 to 8 for tone burst input signal.

LA3160

monolithic linear IC

CIRCUIT DRAWING
No.2041**2-CHANNEL 9V EQUALIZER AMP.**

3016B

Features

- Fewer external components.
- Low noise.
- Single ended 8 pin package.
- Contains 2 preamplifiers.