

7997076 SANYO SEMICONDUCTOR CORP

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LA7034

monolithic linear IC

CIRCUIT DRAWING
No.2134**LUMINANCE SIGNAL PROCESSOR FOR
VTR OF VHS SYSTEM**

3061

The LA7034 is a VTR luminance signal recording/playback IC whose recording circuit block consists of a pre-emphasis circuit, a W/D clip circuit, an FM demodulator, a Y/C mixer, a recording buffer amp and whose playback circuit block consists of two head amps, and an AGC amp, a D.O.C. circuit.

Functions

(Recording circuit block)

- Sync chip clamp
- Nonlinear emphasis
- Main pre-emphasis
- White clip
- Dark clip
- FM modulation
- Recording buffer amp
- Y/C mixer
- Record start switch

(Playback circuit block)

- Preamp (2 channels)
- Preamp channel select switch
- FM AGC amp
- D.O.C.

(Other)

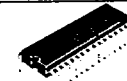
- REC/PB head select switch

Features

- Capable of being used in conjunction with the LA7031 to perform all signal processing functions of recording/playback.
- Provides DC feedback in the W/D clip circuit, FM modulator to secure stability.
- Contains a muting circuit in the recording buffer amp and also a REC/PB head select switch.
- Small-sized package suited for use in portable sets.

LA7035

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CIRCUIT DRAWING
No.2135**VHS VTR CHROMA PROCESSOR**

3061

The LA7035 is a VHS VTR chroma processor IC suited for use in PAL and quasi SECAM system applications. PB APC is provided from before the comb filter and PB ACC is provided from behind the comb filter. In quasi SECAM system applications an external control signal can be used to stop PB APC from operating.

Functions

- ACC
- Color killer
- Subconverter
- 1/2H killer
- 160f_H VCO
- PB APC stop
- Burst emphasis/de-emphasis
- REC/PB, AFC, APC
- Burst gate pulse generator
- VXO
- 4φ40f_H signal generator

Features

- Capable of chroma signal processing on a single chip
- PB APC is provided from before the comb filter; PB ACC is provided from behind the comb filter.
- In quasi SECAM system applications PB APC can be stopped.