

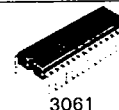
7997076 SANYO SEMICONDUCTOR CORP

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**LA7034**

monolithic linear IC

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

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)

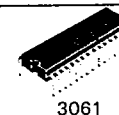
- REC/PB head select switch

**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**

monolithic linear IC

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

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<sub>H</sub> VCO
- PB APC stop
- Burst emphasis/de-emphasis
- REC/PB, AFC, APC
- Burst gate pulse generator
- VXO
- 4φ40f<sub>H</sub> 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.