

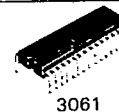
7997076 SANYO SEMICONDUCTOR CORP

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**LA7074**

monolithic linear IC

CIRCUIT DRAWING  
No.2151 **$\beta$ -PAL VTR LUMINANCE SIGNAL  
RECORDING/PLAYBACK PROCESSOR**

3061

The LA7074 is a PAL VTR IC designed to operate from 5V supply. It can be used in conjunction with the LA7073 to perform all the signal processings required for luminance signal recording/playback.

**Functions**

EE/REC mode

- AGC amp
- EE amp

PB mode

- De-emphasis
- Aperture compensate amp
- Noise canceler
- Nonlinear emphasis

- White clip
- Expander
- Y/C mixer
- Muting circuit, pseudo VD insert circuit, VIR signal erase circuit

EE/REC/PB mode

- Line-out driver
- Sync separator

**Features**

- Low-voltage (5V), low-power operation
- On-chip line-out driver, pseudo VD insert circuit, VIR signal erase circuit

- The time constant for sync AGC and peak AGC can be set separately.
- No adjustment required for EE output level

**LA7090**

monolithic linear IC

CIRCUIT DRAWING  
No.2152**SWITCH-CONTAINED RECORDING/  
PLAYBACK AMP FOR VTR USE**

3059

The LA7090 is an IC that contains various amplifiers required for VTR audio signal recording/playback, an ALC detector, a recording/playback control circuit, a muting control circuit, an equalizer characteristic select switch, and a power source ripple filter. It requires fewer number of external parts.

**Features**

- On-chip 3-pole switch for equalizer characteristic select
- The recording/playback select switch, equalizer characteristic select switch, and muting switches can be DC-controlled.
- Small click noise caused by power ON/OFF, muting ON/OFF, and recording/playback select
- On-chip power source ripple filter
- Wide operating voltage range ( $V_{CC} = 5.5$  to  $12.5V$ )

**LA7112M**

monolithic linear IC

CIRCUIT DRAWING  
No.2154**VTR DRUM SERVO INTERFACE**

3034A

The LA7112M is a 6-PG type drum servo interface IC that can be used in conjunction with the LA7110 and LC7410 series to form a digital servo system with minimum number of external parts required. It is suited for use in portable sets because of being packaged in the MFP14 and operated from 5V.

**Functions**

1. PG amp (PG A, PG S, PG B)
2. PG speed processor
3. PG phase processor
4. Delay circuit for PG speed control
5. FG inversion changeover circuit