

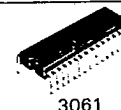
7997076 SANYO SEMICONDUCTOR CORP

76C 01882

D 7-77-07-13

LA7074

monolithic linear IC

CIRCUIT DRAWING
No.2151 **β -PAL VTR LUMINANCE SIGNAL
RECORDING/PLAYBACK PROCESSOR**

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

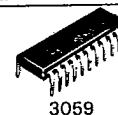
- On-chip line-out driver, pseudo VD insert circuit, VIR signal erase circuit

- 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**

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**

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