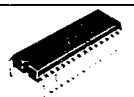
LA7071 monolithic linear IC

CIRCUIT DRAWING No.2148

β-NTSC VTR LUMINANCE SIGNAL RECORDING/PLAYBACK PROCESSOR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The LA7071 is an NTSC VTR IC designed to operate from 5V supply. It can be used in conjunction with the LA7070 to perform all the signal processings required for luminance signal recording/playback.

Functions

EE/REC mode
- Gain controlled amp
- EE amp
- AGC detector (sync, peak)

PB mode
- De-emphasis circuit
- Noise canceler
- White clip
- Expander
- Y/C mixer
- Muting circuit, pseudo VD insert circuit, VIR signal erase circuit

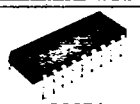
EE/REC/PB mode
- Line-out driver
- Sync separator

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

LA7072 monolithic linear IC

CIRCUIT DRAWING No.2149

VTR NOISE CANCELER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The LA7072 is a VTR noise canceler IC that is designed to operate from 5V supply and dissipates less power. It is also suited for use in portable sets and can be also applied to PAL VTR use.

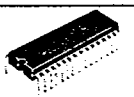
Functions
- FM limiter
- FM demodulator
- Input switch
- Subtracter
- Noise limiter
- Adder
- Output amp

Features
- Low-voltage (5±0.25V) operation
- On-chip input switch
- No input inverting circuit required

LA7073 monolithic linear IC

CIRCUIT DRAWING No.2150

β VTR LUMINANCE SIGNAL PROCESSOR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Functions
- Video clamp
- Nonlinear pre-emphasis
- White/dark clip
- FM modulation
- REC Y/C mix amp
- FM AGC
- Dropout compensator
- FM limiter
- FM demodulator

Features
- Low-voltage (5±0.25V), low-current operation
- Minimum number of external parts required because of on-chip pre-emphasis circuit, REC amp