
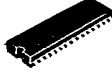


LA7025	monolithic linear IC	CIRCUIT DRAWING No.2130
VTR LUMINANCE SIGNAL PLAYBACK PROCESSOR FOR PAL VTR		 3063

Features and Functions

- Also suited for use in portable sets because of low supply voltage (9V) operation and small current dissipation.
- Minimum number of external parts required.
- Excellent reduced voltage, temperature characteristics.


LA7031	monolithic linear IC	CIRCUIT DRAWING No.2132
LUMINANCE SIGNAL PROCESSOR FOR VTR OF VHS SYSTEM		 3061

Feature

- This IC is a very streamlined IC. When used in conjunction with the LA7030, it is capable of performing all luminance signal processing functions of recording/playback.

Functions

- | | | | |
|---------------------|----------|-----------------------|------|
| ■ Sync separation | REC/P.B. | ■ FM demodulator | P.B. |
| ■ Video output amp. | REC/P.B. | ■ Dynamic de-emphasis | P.B. |
| ■ Video AGC | REC | ■ Noise canceler | P.B. |
| ■ Monitor squelch | REC | ■ Y/C mix amp. | P.B. |
| ■ FM limiter | P.B. | ■ White peak clip | P.B. |

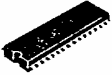
LA7032	monolithic linear IC	CIRCUIT DRAWING No.2133
CHROMINANCE SIGNAL PROCESSOR FOR VTR OF VHS SYSTEM		 3061

Feature

- This IC is a very streamlined IC. It is capable of performing all chrominance signal processing functions of recording/playback on a single chip.

Functions

- | | |
|---------------------------------|----------------------------------------|
| ■ ACC | ■ 4-phase 40fH signal generator |
| ■ Burst pre/de-emphasis circuit | ■ 3.58MHz VCO circuit |
| ■ Color APC, AFC circuit | ■ Burst gate pulse shaper, 1/2H killer |
| ■ Subconverter | ■ 60Hz quasi sync signal shaper |
| ■ 160fH VCO circuit | |

LA7033	monolithic linear IC	CIRCUIT DRAWING No.2136
LUMINANCE SIGNAL PROCESSOR FOR VTR OF VHS SYSTEM		 3061

Feature

- This IC is a very streamlined IC. When used in conjunction with the LA7031, it is capable of performing all luminance signal processing functions of recording/playback.

Functions

- | | |
|--------------------------|----------------------------------|
| ■ Recording Section | ■ Playback Section |
| 1. Sync chip clamp | 1. Preamp. |
| 2. Nonlinear emphasis | 2. Preamp. channel select switch |
| 3. Main pre-emphasis | 3. FM AGC amp. |
| 4. White clip | 4. D.O.C. |
| 5. Dark clip | ■ Other |
| 6. FM modulation | 1. REC/PB head select switch |
| 7. Recording buffer amp. | |