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|---------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>LA7210,7212</b>        | monolithic linear IC | CIRCUIT DRAWING<br>No.2155                                                                                         |
| SYNC DETECTOR FOR VTR USE |                      | <br>3043A(LA7210) 3003A(LA7212) |

The LA7210/7212 are sync detector IC's designed to obtain the optimum reception mode in the channel select system of a VTR. The use of a ceramic resonator-applied horizontal sync detector of VCO, PLL type can provide a non-adjusting system with high detect accuracy. The LA7210/7212 also meet the requirements of the new FTZ in West Germany.

#### Functions

- Sync separation
- VCO (32fH)
- AFC
- Comparator for sync detection
- AFT window comparator (LA7212 only)

#### Features

- The use of a ceramic resonator permits non-adjusting.
- Possible to control the threshold voltage of the AFT window comparator (LA7212)
- Package and output configuration

|                      |                  |                |
|----------------------|------------------|----------------|
|                      | LA7210           | LA7212         |
| Package              | SEP10            | DIP14          |
| Output configuration | Emitter follower | Open collector |

|                                                         |                      |                                                                                                |
|---------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------|
| <b>LA7220</b>                                           | monolithic linear IC | CIRCUIT DRAWING<br>No.2159                                                                     |
| ELECTRONIC SWITCH FOR USE IN VTR,<br>AUDIO APPLICATIONS |                      | <br>3006A |

The LA7220 is a 3-channel 2-position high-performance analog switch having wide application from audio band to video band. It is also provided with 2 channels of muting function.

#### Features

- 3-channel 2-position switch
- Wide input dynamic range
- Low distortion
- Good frequency characteristic
- Muting available

|                                                 |                      |                                                                                                |
|-------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------|
| <b>LA7224</b>                                   | monolithic linear IC | CIRCUIT DRAWING<br>No.2160                                                                     |
| PREAMP FOR INFRARED REMOTE<br>CONTROL RECEPTION |                      | <br>3016B |

The LA7224 is a preamp for infrared remote control reception that contains a turning amp, a peak hold circuit, an integration circuit and is suited for use in TV, VTR applications.

#### Features

- 5V-low current operation.
- On-chip voltage regulator.
- On-chip waveform shaper.