

7997076 SANYO SEMICONDUCTOR CORP

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**LA7048**

monolithic linear IC

CIRCUIT DRAWING  
No.2143**SWITCH-CONTAINED AUDIO RECORDING/  
PLAYBACK AMP FOR VTR USE**

3021B

The LA7048 is a monolithic IC that contains various amplifiers, ALC circuits, a recording/playback circuit, a muting circuit required for VTR audio signal recording/playback on a single chip so that the VTR audio signal block can be simplified.

**Use**

- 9V, 12V VTR audio signal recording/playback processor

**Features**

- Contains all recording/playback amplifiers required for VTR audio signal system.
- Capable of setting each mode of recording, playback by changing only the control pin voltage.
- Capable of performing muting operation by applying only voltage to the control pin.
- Line output available even at the time of muting because muting at the recording mode is applied to the recording amp.
- Contains ALC circuits and ALC detect diodes.
- Good S/N at the recording mode because ALC is applied to both microphone amp input and line amp input.
- Very low pop noise occurring at the time of recording/playback mode selection.
- Contains a head select switch to connect the playback output pin for the tape head to GND. (By using jointly with the switch circuit of discrete transistors at the recording head pin, no relay is required.)
- Improvement in reliability due to electronic switch.
- High input impedance (150k $\Omega$ ) of dqualizer amp.

**LA7050**

monolithic linear IC

CIRCUIT DRAWING  
No.2139**VTR RF MODULATOR**

3017B

**Function**

- Video, audio signal processor for UHF band RF modulator.

**Features**

- 5.5MHz/6.0MHz audio modulation frequency selectable with control pin.
- Operation from low voltage, low current.
- Minimum number of external parts required.

**LA7051**

monolithic linear IC

CIRCUIT DRAWING  
No.2144**SIGNAL PROCESSOR FOR UHF BAND  
RF MODULATOR**

3017B

The LA7051 is a video, audio signal processor IC for UHF band RF modulator. It performs the functions of audio FM modulator, video clamp circuit, white clip circuit.

**Features**

1. 5.5MHz/6.0MHz audio modulation frequency selectable with control pin.
2. Contains white clip circuit.
3. Minimum number of external parts required.