

**LA7013**

monolithic linear IC

CIRCUIT DRAWING  
No.2123**VTR NOISE CANCELER FOR  $\beta$ -VTR**

3008A

**Functions**

- FM demodulator
- Adder

- Limiter

**Features**

- 9V supply voltage enabling use in portable VTR applications.
- Compact package.
- Also usable for VTR of PAL system.

**LA7015N**

monolithic linear IC

CIRCUIT DRAWING  
No.2124**VHF BAND RF MODULATOR**

3020A

The LA7015N is an RF modulator IC for use in VTR's of NTSC system. It contains a carrier oscillator, an audio FM modulator, a video AM modulator, a video clamp circuit, and a white clip circuit. A small-sized modulator can be made due to the use of SEP-16.

**Use**

- VTR, VDP

**Functions**

- Video carrier oscillator
- Channel select switch
- White clip circuit
- Clamp circuit
- Video AM modulator
- Audio FM modulator
- Audio carrier mixer

**Features**

- Multifunctional RF modulator on a single chip.
- Oscillation capability with SAWR, non-adjusting oscillation frequency, and channel selection capability.
- Small size and good space factor.

**LA7016**

monolithic linear IC

CIRCUIT DRAWING  
No.2126**ELECTRONIC SWITCH FOR USE IN VTR APPLICATIONS**

3016B

**Features**

- Wide input dynamic range
- Low distortion
- Good frequency characteristic

**LA7017**

monolithic linear IC

CIRCUIT DRAWING  
No.2125**TV SOUND MULTIPLEX ENCODER FOR VTR APPLICATIONS**

3020A

The LA7017 is a TV sound multiplex encoder IC designed for use in VTR, video disk player applications. It is applicable to all of stereo, dual, monaural broadcastings.

**Functions**

- Stereo matrix
- FM modulator
- 55.125kHz oscillator (Q signal generator)
- 120.8475kHz oscillator
- 982.5Hz/922.5Hz counter
- Stereo, dual, monaural select switch.
- Mixer (composite signal generator).

**Features**

- Applicable to all of stereo, dual, monaural broadcastings.
- Good space factor due to single-end package.