# LA1385

monolithic linear IC

## VERTICAL DEFLECTION CIRCUIT OF B/W TV

3018A

The LA1385, which is an IC for vertical deflection circuit enabling signal processing from vertical oscillation to vertical output within a single chip, is used for monochromatic TV or small-sized color TV.

**Functions**

- Vertical synchronization
- Vertical oscillation
- Vertical saw-tooth wave circuit
- Vertical output

**Features**

- Wide operating voltage range of 9 to 18V.
- Synchronous pull-in range variable with input pulse height.
- Usable for all kinds of monochromatic TV owing to large deflection output current of $2.0 A_{p-p}$
- Stable oscillation frequency independent of ambient temperature, supply voltage variations.

# LA1503

monolithic linear IC

## NARROW-BAND FM IF

3006A

**Functions**

- Local oscillator
- Mixer
- IF amp/limiter
- FM demodulator (Quadrature detection)
- OP amp
- Noise detector
- Squelch

**Features**

- Low-voltage operation (2.5 to 9V)
- Low current dissipation (3.7$\mu$A typ/$V_{CC}$ = 3V)
- On-chip noise detector
- Available input signal: Up to 58MHz
- Possible to use a ceramic discriminator

# LA2000

monolithic linear IC

## AUDIO LEVEL SENSOR

3017B

LA2000 is an IC for detecting interprogram spaces to pick out the starting point of a program immediately preceding or following a musical program recorded on tape, and to detect end of tape.

**Applications in:**

- Radio cassettes
- Cassette decks
- Car stereos

**Applications**

- Detection of spaces between programs recorded on tape
- Detection of end of tape
- Other

**Features**

- Has transistors capable of driving plungers with maximum 600mA, and a protective diode to prevent induced reverse voltages.
- Can provide designated time delays by externally connected capacitors and resistors.
- Has a comparator with stable hysteresis to handle variations in power supply voltage.
- Detects unrecorded portions of tape.