## LA5112N

#### monolithic linear IC

CIRCUIT DRAWING No.2094

# POWER SUPPLY CONTROLLER FOR

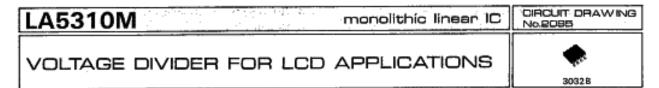


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#### Features

- Excellent ripple rejection at low input voltage
- Excellent temperature characteristic of output voltage
- On-chip protector



#### Features

- Power supply for 1/9 bias LCD applications
- Low current dissipation (1.0mA max.)
- 5 OP amps, producing 5 voltage outputs
- Miniflat package

LA5511,5512 monolithic linear IC	CIRCUIT DRAWING No.2096
COMPACT DC MOTOR SPEED CONTROLLER	3027A

### Applications

Ideally suited for speed control of compact DC motor for cassette tape recorder, radio cassette, 8mm motion-picture camera, record player, etc.

#### Features

- Packaged in 4-pin transistor case (equivalent to TO126), thereby enabling easy mounting.
- Variable reference voltage making it possible to meet requirements for various types of motor.
- Excellent stability of each characteristic against ambient temperature.
- Minimum number of external parts required.
- Shunt ratio comes in 2 kinds: k=25 (LA5512) and k=50(LA5511). LA5511 (k=50) is small in loss current (I<sub>M</sub>/k) due to shunt current. Since motor speed is controlled by varying reference voltage, loss current (I<sub>S</sub>) due to speed control is minimized.
- Contains kickback voltage absorber.

LA5521D,5522 monolithic linear IC	CIRCUIT DRAWING
LOW-VOLTAGE DC MOTOR SPEED CONTROLLER	3001A(LA5521D), 3031A(LA5522)

#### Use

Speed control of general-purpose low-voltage compact DC motor for microcassette tape recorder, radio cassette, and the equivalent.

#### Features

- Wide operating voltage range: 1.8 to 8V.
- Capable of making the applicable set compact because of minimum number of external parts required and compact package.
- Easy to adjust speed.
- Built-in stable low reference power meeting the requirements for 2 speeds.
- Vref=0.2V (LA5521D), Vref=0.5V (LA5522).