

LA4510

monolithic linear IC

CIRCUIT DRAWING
No.2085

LOW-VOLTAGE MONAURAL POWER AMP.



3017B

Applications

- Ideally suited for use in 3V micro cassette, mini cassette, headphone stereo applications.

Features

- Operating supply voltage range: 2 to 5V
- Low current dissipation (7mA typ./V_{CC}=3V)
- Output power:
240mW typ. (V_{CC}=3V, R_L=4Ω, THD=10%)
40mW typ. (V_{CC}=3V, R_L=32Ω, THD=10%)

- Variable starting time and low pop noise at the time of power switch ON because of the use of built-in muting circuit.
- Soft tone even at output saturation.

LA4520

monolithic linear IC

CIRCUIT DRAWING
No.2086

DUAL-CHANNEL PREAMP. + POWER
AMP. FOR HEADPHONE DRIVER



3021B

Use

- Headphone cassette player for playback only

Features

- Dual IC having preamp. and power amp. in a single package.
- Small pop noise at the time of power supply ON/OFF.
- Soft tone at the time of output saturation.
- Minimum number of external parts required.
- Both preamp. and power amp. are good in

ripple rejection.

- Wide supply voltage range: V_{CC} = 2.7V min.
- Especially suited for use in sets for playback only which operate from V_{CC} = 4.5V, 6.0V.
- Voltage gain of power amp. is fixed at VG = 45dB, but it can be made lower by connecting external resistor.

LA4530M,4530S

monolithic linear IC

CIRCUIT DRAWING
No.2087

POWER AMP FOR 3.0/4.5V
HEADPHONE STEREO



Features

- Wide operating voltage range: 1.8 to 5.0V
- Low current dissipation: 10mA typ./V_{CC}=3V
36mW typ x 2 (V_{CC}=3V, R_L=32Ω, THD=10%)
80mW typ x 2 (V_{CC}=4.5V, R_L=32Ω, THD=10%)
- Low distortion: 0.06% typ (V_{CC}=3V, R_L=32Ω, Po=5mW)
- Low noise: 0.07mV typ (V_{CC}=3V, R_L=32Ω, R_g=0, BPF=20Hz to 20kHz)
- Good ripple rejection: 60dB typ (V_{CC}=3V, R_L=32Ω, R_g=0, f_R=100Hz, V_R=200mV)
- Small pop noise at the time of power ON/OFF due to the on-chip muting circuit
- Minimum number of external parts required: Bootstrap capacitorless, input capacitorless
- External phase compensation pin available for changing the frequency response