

LA4190,4192

monolithic linear IC

CIRCUIT DRAWING
No.20742-CHANNEL AF POWER AMP. FOR TAPE
RECORDER, RADIO

3022A

Features

- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output.
LA4190: 1W typ./channel, $V_{CC}=6V$, $R_L=4\text{ohm}$, and 2.8W typ./bridge amplifier, $V_{CC}=6V$, $R_L=4\text{ohm}$.
LA4192: 2.3W typ./channel, $V_{CC}=9V$, $R_L=4\text{ohm}$, and 4.7W typ./bridge amplifier, $V_{CC}=9V$, $R_L=8\text{ohm}$.
- Variable voltage gain available with external feedback resistor.
Stereo: $R_{NF}=27\text{ohm}$, $V_G=50\text{dB}$.
Bridge: $R_{NF}=51\text{ohm}$, $V_G=51\text{dB}$.
- Low switching distortion at high frequencies.
- Small pop noise at the time of power supply ON/OFF due to built-in muting circuit.
- Good ripple rejection due to built-in ripple filter.
- Good channel separation.

LA4260,4261

monolithic linear IC

CIRCUIT DRAWING
No.2077

2.5 TO 3.5W 2-CHANNEL AF POWER AMP



3018A

Features

- Minimum number of external parts required (No input capacitor, bootstrap capacitor required)
- High output: 2.5W typ. x 2 (LA4260), 3.5W typ. x 2 (LA4261)
- Soft clip, causing little harmonic disturbance to radios.
- Small pop noise at the time of power switch ON/OFF.
- Built-in protector against abnormal modes (Thermal shutdown, overvoltage)

LA4265

monolithic linear IC

CIRCUIT DRAWING
No.2075

TV SOUND OUTPUT AMPLIFIER



3018A

Features

- Minimum number of external parts required (5 pcs.)
- Built-in protector (Thermal shutdown, overvoltage)

LA4270

monolithic linear IC

CIRCUIT DRAWING
No.2076

6.5W DUAL-CHANNEL AF POWER AMP



3024A

Features

- High-output dual power IC ($P_O=6.5W \times 2$, $V_{CC}=25V$, $R_L=8\Omega$, $f=1\text{kHz}$, $\text{THD}=1\%$).
- Low distortion ($\text{THD}=0.03\%$, $V_{CC}=25V$, $R_L=8\Omega$, $f=1\text{kHz}$, $P_O=2W$).
- Minimum number of external parts required (no bootstrap capacitor required).
- Low pop noise at the time of power switch ON/OFF.
- Good ripple rejection (55dB).
- Wide supply voltage range (10V to 32V).
- On-chip protector against abnormality (thermal shutdown, overvoltage).