

LA4180,4182

monolithic linear IC

CIRCUIT DRAWING
No.2072

2-CHANNEL AF POWER AMP. FOR TAPE
RECORDER, RADIO



3022A

Features

- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output.
LA4180: 1W typ./channel, $V_{CC}=6V$, $R_L=4$ ohm, and 2.8W typ./bridge amplifier, $V_{CC}=9V$, $R_L=4$ ohm.
LA4182: 2.3W typ./channel, $V_{CC}=9V$, $R_L=4$ ohm, and 4.7W typ./bridge amplifier, $V_{CC}=9V$, $R_L=8$ ohm.
- Minimum number of external parts required: 9 pcs. min. (Stereo/bridge).
- 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.
- Soft tone at the time of output saturation.
- Good channel separation.
- Voltage gain fixed at 45dB (Bridge: 51dB). Variable voltage gain available with external resistor added.
- Easy to design radiator fin.

LA4183

monolithic linear IC

CIRCUIT DRAWING
No.2072

2-CHANNEL AF POWER AMP. FOR TAPE
RECORDER, RADIO



3022A

Features

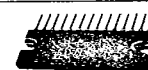
- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output.
2.3W typ./channel, $V_{CC}=9V$, $R_L=4$ ohm, and 4.7W typ./bridge amplifier, $V_{CC}=9V$, $R_L=8$ ohm.
- Low switching distortion at high frequencies.
- Minimum number of external parts required: 9 pcs. min. (Stereo/bridge).
- 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.
- Soft tone at the time of output saturation.
- Good channel separation.
- Voltage gain fixed at 45dB (Bridge: 51dB). Variable voltage gain available with external resistor added.

LA4185,4185T

monolithic linear IC

CIRCUIT DRAWING
No.2073

2-CHANNEL AF POWER AMP. FOR TAPE
RECORDER, RADIO



3023A

Features

- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output.
LA4185: 2.4W typ./channel, $V_{CC}=9V$, $R_L=4$ ohm, and 7.7W typ./bridge amplifier, $V_{CC}=9V$, $R_L=4$ ohm.
LA4185T: 4.2W typ./channel, $V_{CC}=12V$, $R_L=4$ ohm, and 9.0W typ./bridge amplifier, $V_{CC}=12V$, $R_L=8$ ohm.
- Low switching distortion at high frequencies.
- Minimum number of external parts required: 9 pcs. min. (Stereo/bridge).
- 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.
- Soft tone at the time of output saturation.
- Good channel separation.
- Voltage gain fixed at 45dB (Bridge: 51dB). Variable voltage gain available with external resistor added.
- Easy to mount on board and also easy to design radiator fin due to use of 14-pin single end package.