LA4126,4126T

monolithic linear IC

CIRCUIT DRAWING No.2063

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

3009A

Features

- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output LA4126: 2.4W typ./channel, V_{CC}=9V, R_L=4ohm, and 7.7W typ./bridge amplifier, V_{CC}=9V, R_L=4ohm.
  LA4126T: 4.2W typ./channel, V_{CC}=12V, R_L=4ohm, and 9.0W typ./bridge amplifier, V_{CC}=9V, R_L=8ohm.
- 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.
- Pins for adjusting high frequency characteristics.
- Easy to design radiator fin.

LA4140

monolithic linear IC

CIRCUIT DRAWING No.2065

0.5W TYP AF POWER AMP. FOR RADIO OR TAPE RECORDER

3017B

Features

- 0.5W typ output power/Vcc=6V, R_L=8Ω, THD=10%.
- 9pin SEP permitting sets to be small-sized and eliminating the need for heat sink.
- Small quiescent current.
- Wide operation supply voltage range: V_{CC} = 3.5 to 12V

LA4145,4146

monolithic linear IC

CIRCUIT DRAWING No.2066

0.6 TO 0.9W AF POWER AMP.

3017B

Features

- The LA4145 is especially suited for use in cassette tape recorder, radio cassette, stereo cassette player applications; the LA4146 is especially suited for use in mini musical instrument applications.
- Pin compatible with the LA4140, 4142 and minimum number of external parts required
- Output power
- Small quiescent current
- Voltage gain fixed at 50dB
- Variable voltage gain available with external resistor added
- Small pop noise at V_{CC} ON/OFF mode
- Soft tone at output saturation mode

LA4147

monolithic linear IC

CIRCUIT DRAWING No.2067

0.6 TO 0.9W AF POWER AMP

3017B

Use

- The LA4147 is especially suited for use in cassette tape recorder, radio cassette, stereo cassette player applications.

Features

- 0.6W typ/V_{CC}=6.0V, R_L=8Ω, THD=10%
  0.9W typ/V_{CC}=6.0V, R_L=4Ω, THD=10%
- Minimum number of external parts required
- Soft clip
- Small pop noise at V_{CC} ON/OFF mode
- Voltage gain fixed at 50dB
  An external resistor can be connected to reduce this value.