

**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,  $V_{CC}=9V$ ,  $R_L=4\Omega$ , and 7.7W typ./bridge amplifier,  $V_{CC}=9V$ ,  $R_L=4\Omega$ .  
LA4126T: 4.2W typ./channel,  $V_{CC}=12V$ ,  $R_L=4\Omega$ , and 9.0W typ./bridge amplifier,  $V_{CC}=9V$ ,  $R_L=8\Omega$ .
- 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/ $V_{CC}=6V$ ,  $R_L=8\Omega$ , 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/ $V_{CC}=6.0V$ ,  $R_L=8\Omega$ , THD=10%  
0.9W typ/ $V_{CC}=6.0V$ ,  $R_L=4\Omega$ , 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.