LA4190,4192

monolithic linear IC

CIRCUIT DRAWING No.2074

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


3022A

Features

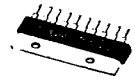
- Built-in 2 channels enabling use in stereo and bridge amplifier applications.
- High output.
  LA4190: 1W typ./channel, V_{CC}=6V, R_L=4 ohm, and 2.8W typ./bridge amplifier, V_{CC}=6V, R_L=4ohm.
  LA4192: 2.3W typ./channel, V_{CC}=9V, R_L=4 ohm, and 4.7W typ./bridge amplifier, V_{CC}=9V, R_L=8ohm.
- Variable voltage gain available with external feedback resistor.
  Stereo: R_{NF}=27ohm, VG=50dB.
  Bridge: R_{NF}=51ohm, VG=51dB.
- 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

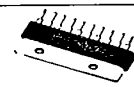
- Minimum number of external parts required (No input capacitor, bootstrap capacitor required)
- High output: 2.5W typ. x 2 (LA4260), 3.5W typ. x 2 (LA4261)
- Soft clip, causing little harmonic disturbance to radios.
- Small pop noise at the time of power switch ON/OFF.
- Built-in protector against abnormal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

LA4265

monolithic linear IC

CIRCUIT DRAWING No.2075

TV SOUND OUTPUT AMPLIFIER


3018A

Features

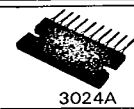
- Minimum number of external parts required (5 pcs.)
- Built-in protector (Thermal shutdown, over-voltage)

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 x 2, V_{CC}=25V, R_L=8Ω, f=1kHz, THD=1%).
- Low distortion (THD=0.03%, V_{CC}=25V, R_L=8Ω, f=1kHz, 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).

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