


LA3600	monolithic linear IC	CIRCUIT DRAWING No.2061
5-BAND GRAPHIC EQUALIZER		 3006A

Applications

- Portable components, radio cassettes, car stereos.


Features

- One OP amp on chip.
- 5-band graphic equalizer for one channel can be formed easily by externally connecting capacitors and variable resistors which fix f_0 (resonance frequency).
- Series connection of two LA3600's makes multiband (6 to 10 bands) available.
- Highly stable to capacitive load.

LA4100 thru 4102	monolithic linear IC	CIRCUIT DRAWING No.2062
AF POWER AMP. FOR RADIO, TAPE RECORDER		 3005A


Features

- AF output power LA4100:1.0W typ / 6V,4 ohm. LA4101:1.5W typ / 7.5V,4 ohm. LA4102:2.1W typ /9V,4 ohm.
- Sufficient regulation under dry battery operation.

LA4120,4125,4125T	monolithic linear IC	CIRCUIT DRAWING No.2063
2-CHANNEL AF POWER AMP. FOR RADIO, TAPE RECORDER		 3009A

Features

- Dual amplifier can be used both for stereo and bridge amplifier.
 - High Output Power.
 - Small pop noise due to the muting circuit installed.
 - Good ripple rejection due to the ripple filter installed.
 - Soft tone at output saturation.
 - Excellent channel separation.
 - Voltage gain is fixed as 45dB but an added resistor can vary down the gain.
 - High frequency response can be adjusted by the suitable pin.
 - Simple thermal designing.
- | | V _{CC} | RL | stereo | bridge amp. |
|---------|-----------------|-------|--------|-------------|
| LA4120 | 6V | 4 ohm | 1W | 3.5W |
| LA4125 | 9V | 4 ohm | 2.4W | 7.7W |
| LA4125T | 12V | 4 ohm | 4.2W | — |
| " | " | 8 ohm | — | 9.0W |
- Few peripheral parts: 9 parts min. (stereo/bridge).

LA4137,4138	monolithic linear IC	CIRCUIT DRAWING No.2064
AF POWER AMPLIFIER FOR TAPE RECORDER		 3005A

Features

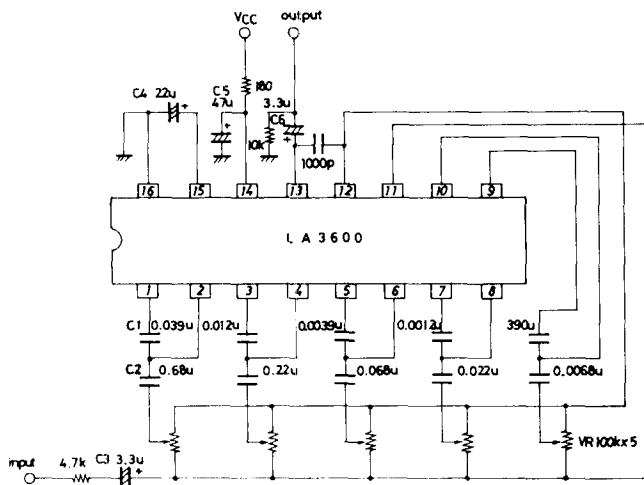
- A small number of external parts (5 pcs. min.).
- High output.
- Soft tone at the time of output saturation.
- Voltage gain fixed at 51 dB variable by adding external resistor.
- Pin available for adjusting frequency characteristic.
- Low ripple power supply pin available for pre-amplifier.

AF POWER AMPLIFIERS (monolithic integrated circuit)

Type Number	Page	Case			Circuit Drawing No.	Circuit Functions & Applications	Recommended VCC [V]	Main Specifications			
		Package	Pins	Package No.				Po/THD, RL [W]/[%], [Ω]	VG Closed Loop[dB]	THD/Po [%max]/[W]	Icco [mAmax]
LA 4 2 6 0	133	SEP	10F	3018A	2077	2.5W typ 2-Channel AF Power Amp for Home Stereo	14	2.5×2/10.8	50	1.0/0.5	45typ
LA 4 2 6 1	133	SEP	10F	3018A	2077	3.5W typ 2-Channel AF Power Amp for Home Stereo	16	3.5×2/10.8	50	1.0/0.5	46typ
LA 4 2 6 5	133	SEP	10F	3018A	2075	3.5W typ 1-Channel AF Power Amp for General-Purpose TV	16	3.5/10.8	50	1.0/0.5	25typ
⊙LA 4 2 7 0	133	SEP	10H	3024A	2076	6.5W typ 2-channel AF Power Amp for Home Stereo	25	6.5/1.8	40	1.0/0.5	50typ
LA 4 5 1 0	137	SEP	9	3017B	2085	0.24W typ AF Power Amp for Low-Voltage Use	3.0/4.5	0.24/10.4	45	1.5/0.1	12
LA 4 1 4 0	130	SEP	9	3017B	2065	0.5W typ AF Power Amp for Tape Recorder, Radio	6	0.5/10.8	50	1.0/0.1	11typ
LA 4 1 4 5	130	SEP	9	3017B	2066	0.6W typ AF Power Amp for Tape Recorder, Radio	6	0.6/6.8	50	1.0/0.1	10typ
LA 4 1 4 6	130	SEP	9	3017B	2066	0.6W typ AF Power Amp for musical miniinstrument	6	0.6/6.8 0.9/6.4	50	1.0/0.1	5typ
LA 4 1 4 7	130	SEP	9	3017B	2067	0.6W typ AF Power Amp for Tape Recorder, Radio	6	0.6/6.8 0.9/6.4	50	1.0/0.1	10typ
LA 4 1 0 0	129	DIP	14T	3005A	2062	1.0W typ AF Power Amp for Tape Recorder, Radio	6	1.0/10.4	45	1.5/0.25	25
LA 4 1 0 1	129	DIP	14T	3005A	2062	1.5W typ AF Power Amp for Tape Recorder, Radio	7.5	1.5/10.4	45	1.5/0.25	25
LA 4 1 3 7	129	DIP	14T	3005A	2064	1.8W typ AF Power Amp for Tape Recorder, Radio	7.5	1.8/10.3.2	51	2.0/0.3	25
LA 4 1 0 2	129	DIP	14T	3005A	2062	2.1W typ AF Power Amp for Tape Recorder, Radio	9	2.1/10.4	45	1.5/0.25	25
LA 4 1 3 8	129	DIP	14T	3005A	2064	2.7W typ AF Power Amp for Tape Recorder, Radio	9	2.7/10.3.2	51	2.0/0.3	25
LA 4 1 6 2	131	DIP	16	3006A	2069	0.5W typ 1-Chip AF Power Amp System for Tape Recorder	6	0.5/10.8	Pre40, Power45	1.5/0.1	18typ
LA 4 1 6 0	131	DIP	14T	3005A	2068	1 to 2.2W typ 1-Chip AF Amp System for Tape Recorder	6 7.5 9	1.0/10.4 1.5/10.4 2.2/10.4	Pre40, Power45	1.5/0.25 1.5/0.25 1.5/0.25	30(6V) - 40(9V)
⊙LA 4 5 5 0	138	DIP	12F	3022A	2089	1.0W typ 2-Channel (2.8W typ for Br.)	6to9	1.0×2/10.4	51	0.3typ/0.25	15typ
LA 4 1 2 0	129	DIP	18H	3009A	2063	1W typ 2-Channel (3.5W typ for Br.)	6	1.0×2/10.4	45×2	1.5/0.25	50
LA 4 1 8 0	132	DIP	12F	3022A	2072	1W typ 2-Channel (2.8W typ for Br.)	6	1.0×2/10.4	45×2	1.5/0.25	55
LA 4 1 9 0	133	DIP	12F	3022A	2074	1W typ 2-Channel (2.8W typ for Br.)	6	1.0×2/10.4	50×2	2.0/0.25	55
LA 4 1 2 5	129	DIP	18H	3009A	2063	2.4W typ 2-Channel (7.7W typ for Br.)	9	2.4×2/10.4	45×2	1.5/0.25	55
LA 4 1 2 6	130	DIP	18H	3009A	2063	2.4W typ 2-Channel (7.7W typ for Br.)	9	2.4×2/10.4	45×2	1.5/0.25	55
LA 4 1 8 2	132	DIP	12F	3022A	2072	2.3W typ 2-Channel (4.7W typ for Br.)	6to9	2.3×2/10.4	45×2	1.5/0.25	55
LA 4 1 8 3	132	DIP	12F	3022A	2072	2.3W typ 2-Channel (4.7W typ for Br.)	9	2.3×2/10.4	45×2	1.5/0.25	55
⊙LA 4 5 5 5	138	DIP	12F	3022A	2089	2.3W typ 2-Channel (4.5W typ for Br.)	6to9	2.3×2/10.4	51×2	0.3typ/0.25	17typ
LA 4 1 8 5	132	SEP	14H	3023A	2073	2.4W typ 2-Channel (7.7W typ for Br.)	9	2.4×2/10.4	45×2	1.5/0.25	55
LA 4 1 9 2	133	DIP	12F	3022A	2074	2.3W typ 2-Channel (4.7W/8Ω typ for Br.)	9	2.3×2/10.4	50×2	2.0/0.25	55
LA 4 1 2 5 T	129	DIP	18H	3009A	2063	4.2W typ 2-Channel (9W/8Ω typ for Br.)	12	4.2×2/10.4	45×2	1.5/0.25	60

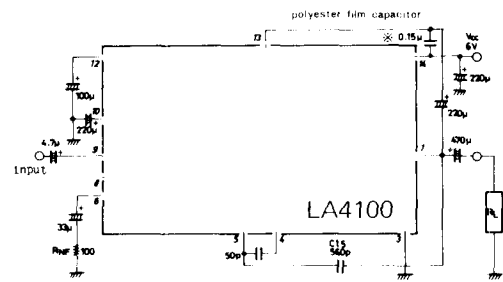
2061:LA3600

SAMPLE APPLICATION CIRCUIT



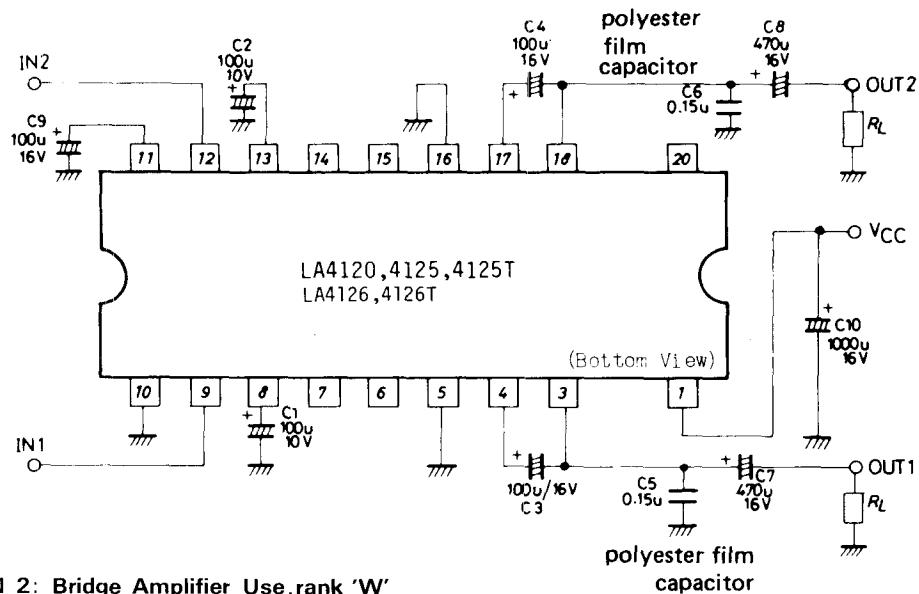
2062:LA4100,4101,4102

APPLICATION: AF Power Amplifier for Radio or Tape Recorder when LA4100 used.



2063:LA4120,4125,4125T,4126,4126T

APPLICATION 1: Stereo Amplifier



APPLICATION 2: Bridge Amplifier Use rank 'W'

