

SANYO

No.3607A

LA4620**Two-channel Audio Power Amplifier****OVERVIEW**

The LA4620 is a two-channel high-power audio amplifier for automotive stereo and general-purpose audio amplification equipment.

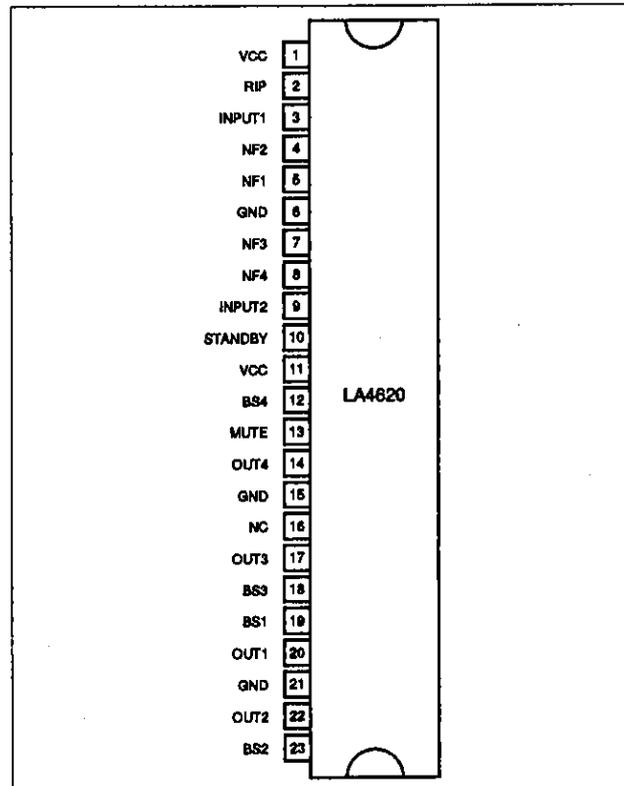
The LA4620 has a 6 to 22 V operating supply voltage range. Each channel uses a bridge configuration to obtain high output power from low supply voltages. Typical output power is 17 W per channel.

The LA4620 incorporates a thermal protection circuit, an output short-circuit protection circuit and a pop suppression circuit. It has low-power, logic-level standby control and mute control inputs.

The LA4620 is available in 23-pin SIPs and operates from a 15 V supply.

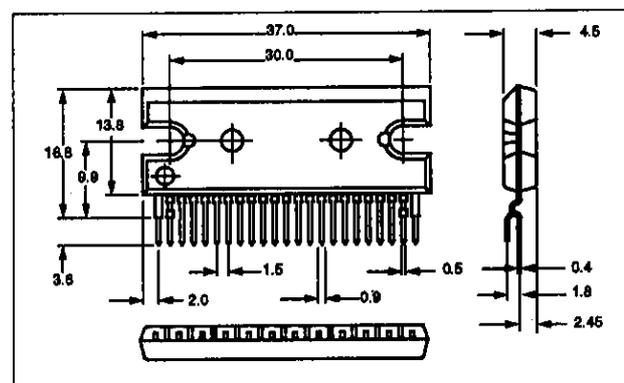
FEATURES

- 17 W output power per channel
- 6 to 22 V supply voltage range
- Pop suppression
- Logic-controlled standby mode
- Thermal protection
- Short-circuit protection
- 60 dB channel separation
- 58 dB supply voltage ripple rejection
- 0.2% harmonic distortion
- 23-pin SIP

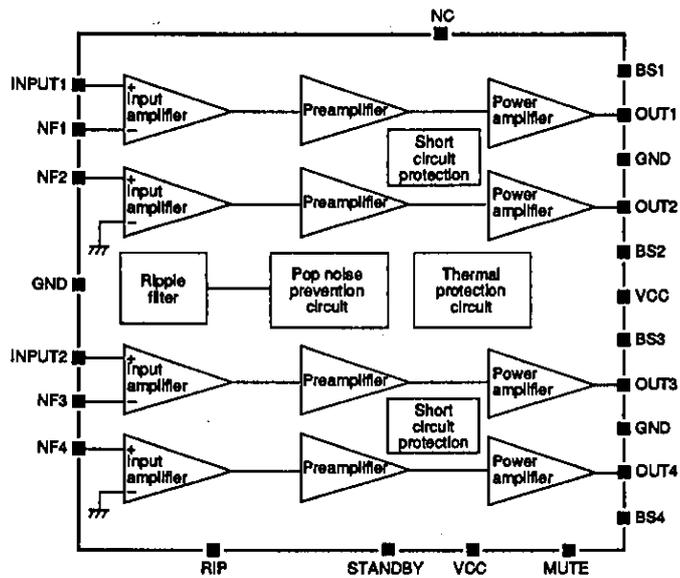
PINOUT**PACKAGE DIMENSIONS**

Unit: mm

SIP23HZ-3160



BLOCK DIAGRAM



PIN DESCRIPTION

Number	Name	Description
1	VCC	Supply voltage
2	RIP	Ripple filter
3	INPUT1	Channel 1 input
4	NF2	Channel 1 negative feedback input
5	NF1	Channel 1 negative feedback input
6	GND	Ground
7	NF3	Channel 2 negative feedback input
8	NF4	Channel 2 negative feedback input
9	INPUT2	Channel 2 input
10	STANDBY	Standby switch
11	VCC	Supply voltage
12	BS4	Channel 2 bootstrap capacitor
13	MUTE	Muting control
14	OUT4	Channel 2 output
15	GND	Ground
16	NC	No connection
17	OUT3	Channel 2 output
18	BS3	Channel 2 bootstrap capacitor
19	BS1	Channel 1 bootstrap capacitor
20	OUT1	Channel 1 output
21	GND	Ground
22	OUT2	Channel 1 output
23	BS2	Channel 1 bootstrap capacitor