



GENERAL DESCRIPTION

OB6220 is a stereo Class-D audio power amplifier driving 8ohm speakers in a bridge-tied load configuration for up to 15W power output at each channel. It achieves up to 90% power efficiency.

The gain of the amplifier is programmable at 20, 26, 32 or 36dB with two gain selection pins.

OB6220 provides comprehensive IC and system level protection features including speaker terminal short circuit protection, IC over temperature protection, power supply over voltage and under voltage protection, etc. The short circuit protection and thermal protection are auto-recoverable.

Speaker protection circuitry includes an adjustable power limiter and a DC detection function.

OB6220 is offered in TSSOP28 package with built-in thermal pad for improved power dissipation.

FEATURES

- 15W(10% THD+N) per channel output into 8Ω Load at 16V supply
- 10W(10% THD+N) per channel output into 8Ω Load at 13V supply
- 30W(10% THD+N) output into 4Ω Load at 16V supply in PBTL mode
- 6V to 20V single power supply operation
- Filter-free operation
- Programmable power limit
- Low shutdown/standby current
- Four selectable gain settings
- External shut down control function
- Differential or single-ended analog inputs

APPLICATIONS

- LCD TVs
- Powered Speakers
- Boombox

TYPICAL APPLICATION

