Quad Rail-to-Rail I/O, High-Slew-Rate OP Amp

Features

- +3V to +5.5V Single-Supply Operation
- Input / Output Rail-to-Rail
- Low input current
- High output driving capacity
- Low Quiescent Current: 2mA @ 5V
- High Slew rate 6V/µs
- High Gain-Bandwidth Product 2.5MHz
- High Open Loop Gain 95dB
- High PSRR 70dB

Applications

- **■** Headphone Driver
- Portable Equipment
- **■** Battery-Powered Equipment
- Multimedia Audio
- ASIC Input or Output Amplifier
- Sensor Amplifier
- Low Power/Low Voltage Applications

General Description

G1244 is a input/output rail-to-rail Operational Amplifier. It can be operated from +3V to +5.5V single supply or from ± 1.5 V to ± 2.75 dual supply. G1244 can drive 66mA into resistor loads to within 10% power rail each amplifier. AC performance is very excellent with 2.5MHz bandwidth, 6V/ μ s Slew Rate, 95dB open loop gain, 60 degree phase margin and low distortion.

Supply current of G1244 is only $500\mu A$ per Amplifier. It is very suitable for low current consumption applications to control high current loads. Applications include audio amplification for computers, sound ports, sound cards and set-top boxes.

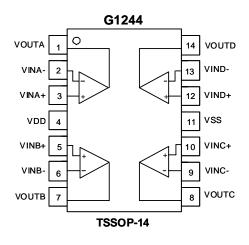
G1244 is available in 14-pins TSSOP package.

Ordering Information

ORDER	MARKING	TEMP.	PACKAGE
NUMBER		RANGE	(Pb free)
G1244D2U	G1244	-40°C to 85°C	TSSOP-14

Note: D2: TSSOP-14 U: Tape & Reel

Pin Configuration



Typical Application Circuit

