

HA-2548

# 150MHz, High Slew Rate. **Precision Operational Amplifier**

November 1996

Features

• High Slew Rate 120V/µs
Low Offset Voltage300μV
High Open Loop Gain
Gain Bandwidth Product 150MHz
• Low Noise Voltage at 1kHz 8.3nV/\Hz
Minimum Gain Stability ≥5

#### **Applications**

- · High Speed Instrumentation
- Data Acquisition Systems
- · Analog Signal Conditioning
- · Precision, Wideband Amplifiers
  - Pulse/RF Amplifiers

## Ordering Information

PART NUMBER	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
HA2-2548-5	0 to 75	8 Pin Metal Can	T8.C
HA2-2548-9	-40 to 85	8 Pin Metal Can	T8.C
HA3-2548-5	0 to 75	8 Ld PDIP	E8.3
HA7-2548-5	0 to 75	8 Ld SBDIP	D8.3
HA9P2548-5	0 to 75	16 Ld SOIC	M16.3

### Description

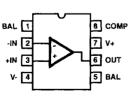
The HA-2548 is an op amp that offers a unique combination of bandwidth, slew rate, and precision specifications. These features can eliminate the need for composite op amp designs and external calibration circuitry.

Optimized for gains ≥5, the HA-2548 has a gain-bandwidth product of 150MHz and a slew rate of 120V/µs while maintaining extremely high open loop gain (130dB Typ) and low offset voltage (300µV Tvp). These specifications are achieved through uniquely designed input circuitry and a single ultra-high gain stage that minimizes the AC signal path. Capable of delivering over 30mA of output current, the HA-2548 is ideal for precision, high speed applications such as signal conditioning, instrumentation, video/pulse amplifiers and buffers.

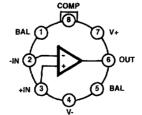
For information on the military version of this device please refer to the HA-2548/883 datasheet.

#### **Pinouts**

HA-2548 (PDIP, SBDIP) TOP VIEW



HA-2548 (METAL CAN) TOP VIEW



HA-2548 (SOIC) TOP VIEW

