

## 20MHz, High Input Impedance, High Slew Rate Operational Amplifier

November 1996

### Features

- High Slew Rate ..... 150V/ $\mu$ s
- Fast Settling ..... 200ns
- Full Power Bandwidth ..... 2MHz
- Gain Bandwidth ( $A_V \geq 3$ ) ..... 20MHz
- High Input Impedance ..... 130M $\Omega$
- Low Offset Current ..... .5nA
- High Output Current .....  $\pm 30$ mA

### Applications

- Data Acquisition Systems
- RF Amplifiers
- Video Amplifiers
- Signal Generators
- Pulse Amplification

### Ordering Information

PART NUMBER (BRAND)	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
HA2-2529-2	-55 to 125	8 Pin Metal Can	T8.C
HA2-2529-5	0 to 75	8 Pin Metal Can	T8.C
HA3-2529-5	0 to 75	8 Ld PDIP	E8.3
HA7-2529-5	0 to 75	8 Ld Cerdip	F8.3A
HA9P2529-5 (H25295)	0 to 75	8 Ld SOIC	M8.15

### Description

The HA-2529 is a monolithic operational amplifier which typifies excellence of design. With a design based on years of experience coupled with the reliable dielectric isolation process, this amplifier provides an outstanding combination of DC and AC parameters at closed loop gains greater than 3.

The HA-2529 offers 150V/ $\mu$ s slew rate and fast settling time (200ns), while consuming a mere 6mA of quiescent current, making this amplifier ideal for video circuitry and data acquisition designs. With 20MHz gain bandwidth combined with 7.5kV/V open loop gain, the HA-2529 is an ideal component for demanding signal conditioning designs. This device provides  $\pm 30$ mA output current drive with an output voltage swing of  $\pm 10$ V making it suited for pulse amplifier and RF amplifier components.

The HA-2529 will upgrade output current, slew rate, offset voltage drift and offset current drift in systems presently using the HA-2520/22/25 or EHA-2520/22/25.

MIL-STD-883 product and data sheets are available upon request.

### Pinouts

