

# LH740A/LH740AC FET input operational amplifier

## general description

The LH740A/LH740AC are FET input, general purpose operational amplifiers with high input impedance, closely matched input characteristics, and good slew rates. Input offset voltage is typically 10.0 mV at 25°C, while input bias current is less than 100 pA at 25°C. Offset current is typically less than 40 pA at 25°C.

Features include:

- Internal 6 dB/octave frequency compensation
- Unity gain slew rate in excess of 6 V/ $\mu$ s
- Unity gain bandwidth of 1 MHz
- Pin compatible with LM741, LM709, LM101A, and  $\mu$ A740

- Input offset is adjustable with a single 10k pot
- Excellent offset current match over temperature, typically 100 pA
- Output is continuously short-circuit proof
- Excellent open loop gain, typically in excess of 100 dB
- Guaranteed over the full military temperature range

The LH740A/LH740AC is intended to fulfill a wide variety of applications requiring extremely low bias currents such as integrators, sample and hold amplifiers, and general purpose operational amplifier applications.

## connection diagram

