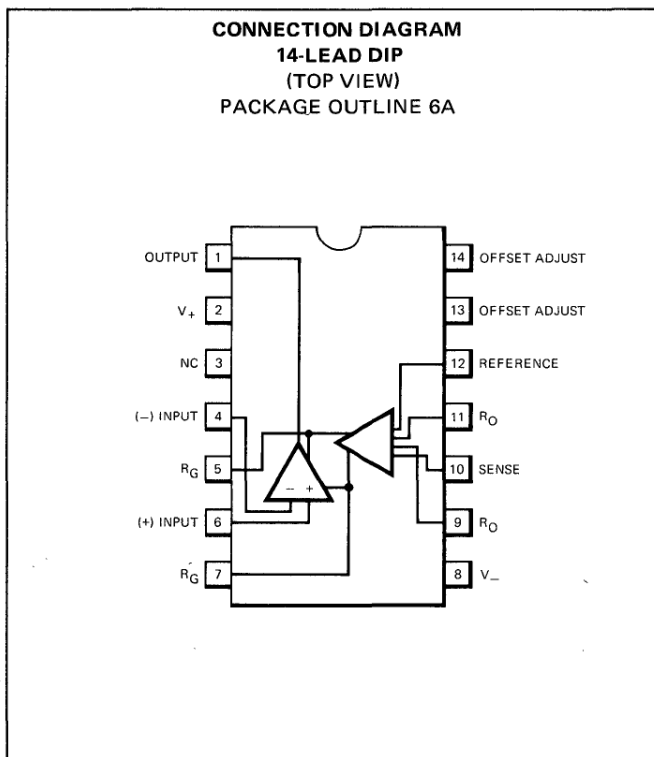


μ A771

INSTRUMENTATION AMPLIFIER

GENERAL DESCRIPTION — The μ A771 is a true Instrumentation Amplifier with an internally closed feedback loop determining the device gain. The μ A771 instrumentation amplifier is distinguished from operational amplifiers with external resistor feedback because the input terminals are totally uncommitted and need be connected only to the signal source. The μ A771 also features very high input impedance, very low bias and offset currents, low offset drifts, low noise and high common mode and power supply rejection. The addition of a few external components enables the user to "add-on" a derived common mode voltage follower for driving shielded input lines, if desired. Typical applications include strain gauge, transducer and transconductance amplifiers, physiological (biomedical) probes, and thermocouple preamplifiers.

- GAIN DETERMINED BY INTERNALLY CLOSED FEEDBACK LOOP
- VERY HIGH INPUT IMPEDANCE
- LOW OFFSET DRIFTS
- LOW NOISE
- HIGH COMMON MODE AND POWER SUPPLY REJECTION
- VERY LOW BIAS AND OFFSET CURRENTS
- VERY SIMPLE GAIN SETTING AND ADJUSTMENT

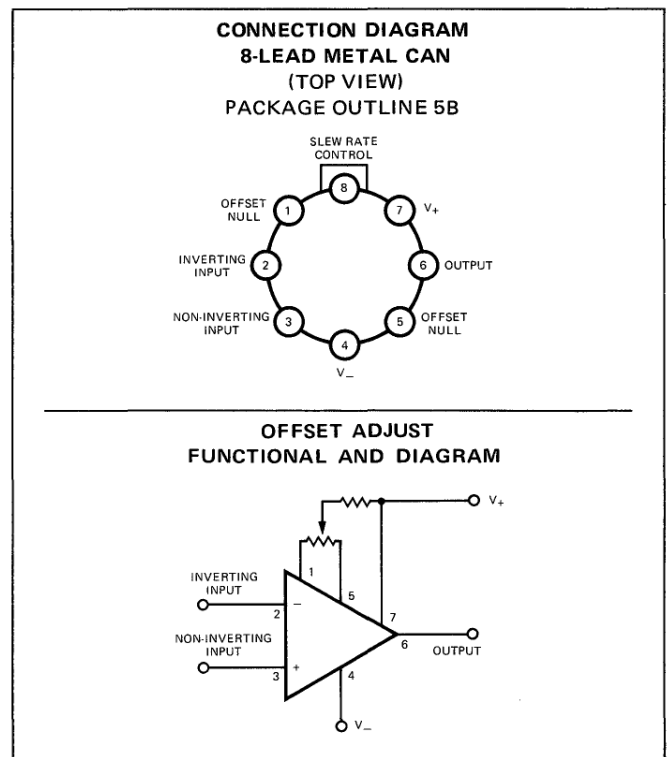


μ A772

HIGH SLEW RATE OPERATIONAL AMPLIFIER

GENERAL DESCRIPTION — The μ A772 is a monolithic High Slew Rate Operational Amplifier, constructed using the Fairchild Planar* epitaxial process. The μ A772 features high slew rate and fast settling time, with excellent dc characteristics. Additional features such as internal compensation, offset null capability and current limiting are provided. The μ A772 is ideal for use in A/D, D/A and sampled data systems, and in pulse amplifiers.

- FAST SETTLING TIME . . . 300 ns
- HIGH SLEW RATE . . . 60 V/ μ s
- HIGH GAIN BANDWIDTH . . . 10 MHz
- EXCELLENT INPUT CHARACTERISTICS
- CAN BE OPERATED NON-INVERTING OR INVERTING
- INTERNALLY COMPENSATED
- WIDE DIFFERENTIAL AND COMMON-MODE INPUT VOLTAGE RANGE
- WIDE SUPPLY RANGE



*Planar is a patented Fairchild process.