



LOW NOISE VOLTAGE AMPLIFIER

- LOW NOISE - DOWN TO $1\text{nV}/\sqrt{\text{Hz}}$
- BANDWIDTH - FROM $\leq 200\text{Hz}$ TO 12MHz
- HIGH GAIN - UP TO 80dB
- ADJUSTABLE GAIN - OVER 20dB



DESCRIPTION:

The **321A Series** are low noise voltage amplifiers designed for instrument and transducer applications in which high gain and low noise are required. Both low and high input impedances are available.

SPECIFICATIONS:

Input

Impedance 50Ω (Add -50 to part number.)
 $4.7\text{k}\Omega$ (Add -4.7k to part number.)
Capacitance $<10\text{pF}$

Output

Load $\geq 50\Omega$
Swing 16V pk-pk into $1\text{k}\Omega$
 12V pk-pk into 50Ω

Gain

Trimpot adjustable over 20dB

Polarity

Inverting (Add -INV to part number.)
Non-inverting (Add -NI to part number.)

Power

$\pm 15\text{VDC}$ at 28mA typical (no load)

Temperature

0° to $+70^\circ\text{C}$

Connections

Input/Output BNC
Power Filter feed-thru pins and ground lug

Size

$3.12" \times 1.50" \times 1.09"$



Specifications subject to change without notice.

APPLICATIONS:

Transducer Amplifiers, Instrumentation Amplifiers

