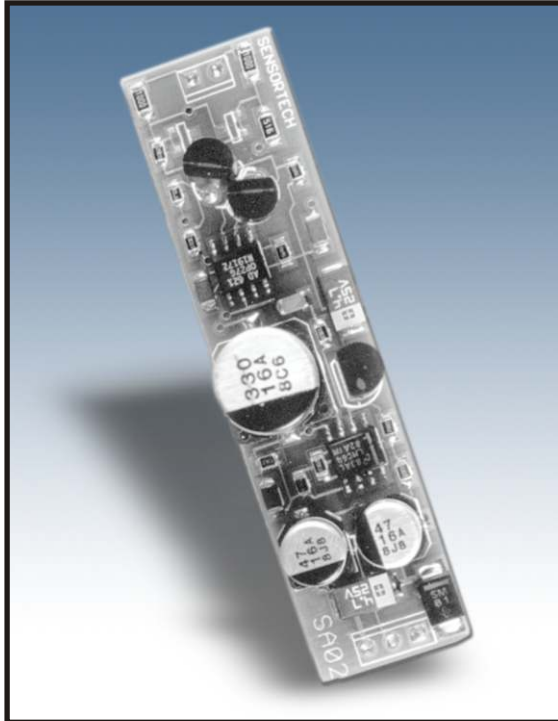


SA02 - Pre-amplifier, single-ended I/O

AMPLIFIERS & POWER SUPPLIES



OVERVIEW

SensorTech's preamplifiers have been designed for applications where size and weight are critical but performance cannot be compromised. The SA02 is ideal for use with piezoelectric sensors such as hydrophones and vibration detectors but can also be used in other applications. Surface-mount technology provides small size, yet reliable, low-noise configuration. The SA02 offers high input impedance and low power consumption.

The SA02 has a single-ended input and output. The SA02 is a preamplifier with 40 dB gain.

FEATURES

- Low noise figure
- Low power consumption
- High input impedance

APPLICATIONS

- Modal analysis
- Control systems
- Signal conditioning
- Hydrophones

SPECIFICATIONS

Gain	40 dB
Noise ref. input	<10 (nV/ $\sqrt{\text{Hz}}$)
Input/output	Single-ended / single-ended
Input impedance	50 M
Bandwidth	4 Hz - 250 kHz
Size	63.5mm x 15.9mm (2.5" x 0.625")
Weight	6 gms
Supply voltage	12V
Current (mA@12v)	quiescent <10mA

SA02 Frequency Response

