

## Miniature Audio Input Module



### Applications

- Data analysis
- Voice encoding
- Flight test instrumentation

### Features

- Two-channel audio input module
  - Powered microphone applications
  - Software-programmable input range from 156 mVp-p to 70 Vp-p
  - Band-pass filtering from 300 Hz to 3000 Hz
- Digitization of analog signal using 16-bit linear, u-law, or A-law algorithm
- Sampling rate of 8 KSPS to 32 KSPS

### Description

The MAUD-102N-1 is a two-channel voice encoder module for use in TTC's MnHSD-2000-1 product. The module accepts high-level audio signals and digitizes the signals into data words for transmission in the system PCM output format. The valid sample rate is programmable (via format) in the range of 8 Kilo Samples Per Second (KSPS) to 32 KSPS. The MAUD-102N-1 offers a programmable input range from 70 Vp-p to 156.25 mVp-p.

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### MAUD-102N-1 Datasheet

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Specifications subject to change without notice.

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