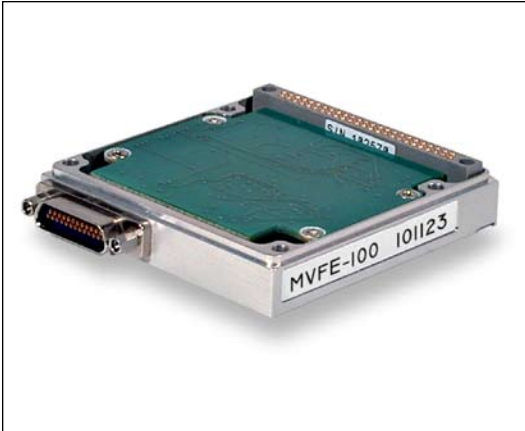


1-Channel Voice Conditioner, 2-Channel Event Counter Module



Applications

- Flight test instrumentation
- Cockpit voice, microphone systems
- Voice I/O (storage) in data processing
- Telecommunications
- Event counter, event marker, or event totalizer

Features

- 1 channel voice encoder
- All-digital CVSD encoding
 - Programmable bits/word
 - Programmable sample rate
- Compression/transmission over low band-width systems
- Front-end flexibility and compatibility
 - Bandpass filtering
- Digital AGC
- 2-channel event input
 - Programmable for totalizer, marker, or counter
 - Programmable threshold (-10V to +10V)
 - Programmable floating input reset
 - $\pm 35V$ input range
 - Overvoltage protection to $\pm 35VDC$
- MnDAU/MnWDAU/MnACQ-2000 compatible module
- Meets IRIG 106-96, Chapter 5
- Microsoft Windows application software included

Description

The MVFE-100 is a 1-channel voice encoder, 2-channel event counter module for use in TTC's miniature, stackable data acquisition products. The module accepts voltages from amplified microphones and encodes these levels using the Continuously Variable Slope Delta (CVSD) modulation technique, into data words for transmission in the system data output format. It also has 2 event input channels which can be used in one of three modes: event counter, event marker, event totalizer.

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MVFE-100 Datasheet

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