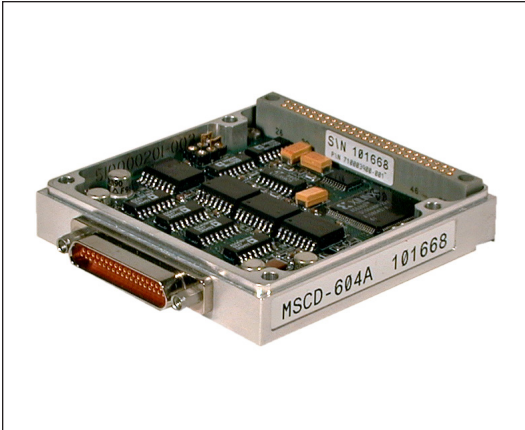


4-Channel Signal Conditioning Module w/Current Excitation and 6-Pole Presample Filtering



Features

- 4-channel signal conditioner module
- Per-channel current excitation
- Programmable gain & offset on a per channel basis
- Active offset correction on AC inputs
- $\pm 0.5\%$ system gain accuracy
- Presample filtering
 - 6-pole Butterworth LPF w/factory set F_{co} (-3dB)
 - 1-pole HPF @ 1.5 Hz (-3dB)
- Zero and voltage substitution cal
- 1 Megohm input impedance
- ± 35 VDC overvoltage protection
- Microsoft Windows application software included

Applications

- Flight test measurements
- Accelerometers

Description

The MSCD-604A is a 4-channel signal conditioning module for use in TTC's MEDAU/MCDAU products. The module provides per-channel constant current excitation, AC input coupling, calibration, programmable gain and offset and presample filtering with factory set filter cutoff frequency. The conditioned output is digitized at up to 12-bit resolution for transmission in the system PCM output format.

Revision 05/12/2015

MSCD-604A Datasheet

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Specifications subject to change without notice.

Approved for Public Release 16-S-0901



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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