

Adaptable Miniature Filter Driver Module



Applications

- Drive Telemetry Transmitter
- Data Acquisition and Monitoring

Features

- Master bus module
- Adaptive Pre-Mod Filter Outputs (2)
 - Filter cutoff is set automatically
 - 5 Pole Bessel response
 - Programmable output offset and amplitude can be independently set on each channel
 - Operation to 5 MBPS NRZL
 - Output capable of driving a 50 Ohm load
- Eight (8) differential output drivers
- Seven (7) single ended digital output drivers
- Digital outputs are re-mappable in software
- Windows 95/98/NT/2000/XP Software Included

Description

The MFDR-101A is a master bus module for use in the MEDAU-2000 and MCDAU-2000 product families. The module provides two (2) adaptable pre-modulation filter outputs, each with independently programmable amplitude and offset. The MFDR-101A takes in the PCM data and clock from the MCDAU master unit (from modules such as the MMCI-105, MWCI-105, MWCI-120 and MPSO-102) and provides filtered PCM output(s) to the transmitter(s). The module is capable of filtering NRZL data at up to 5 MBPS (2.5 MBPS Bi-Phase) and driving a 50 Ohm load. Additionally, the MFDR-101A has eight (8) differentials and seven (7) single ended digital output drivers. The 15 default functions present on these outputs may be re-mapped in software to any of the 15 drivers.

Revision 05/12/2015

MFDR-101A Datasheet

©2015 Teletronics - A Curtiss-Wright Company
 Specifications subject to change without notice.

Approved for Public Release 16-S-0435

Teletronics - A Curtiss-Wright Company

15 Terry Drive, Newtown, PA 18940

phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008