APOGEE LABS

2031
DAC8
DIGITAL TO ANALOG CONVERTER

1. FEATURES

- Single slot module
- High speed (up to 5M samples per second) DAC
- Quantization 8 or 12 bits
- Automatic configuration to match ADC8 source
- Easy to operate module
- Programmable Channel ID Tag

2. OVERVIEW

This plug-in module reproduces a bipolar analog signal that was digitized by a companion ADC8 module in an AL4300 Series Multiplexer. The DAC8 selects Source Packets based on the channel ID TAG. A frequency synthesizer on the DAC8 reconstructs the original sample rate. It is this clock that is used to move the captured digital data produced by the ADC8 to the output Digital to Analog converter on the DAC8.

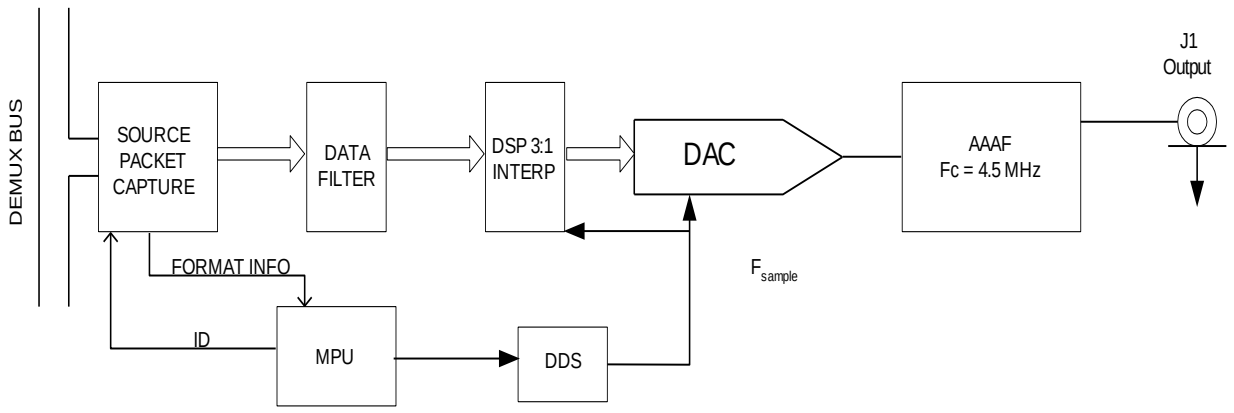

Figure 1 DAC105 Functional Block Diagram

3. SPECIFICATIONS

NUMBER OF CHANNELS

1 Channel on a BNC type connector

OUTPUT VOLTAGE RANGE:

-2.5Volts to +2.5 Volts

10m Amps drive capability

DIGITIZER:

Automatically follows ADC8 Sampling Rate,

Automatically accepts ADC8 data digitized to 8 or 12 bits

CHANNEL ID

RX Demux Channel ID Ox000-Ox7FO

COMPATIBILITY

AL4300 Series Module

One Chassis Slot Required

NOTE: This module does NOT support 10 ms SI operation