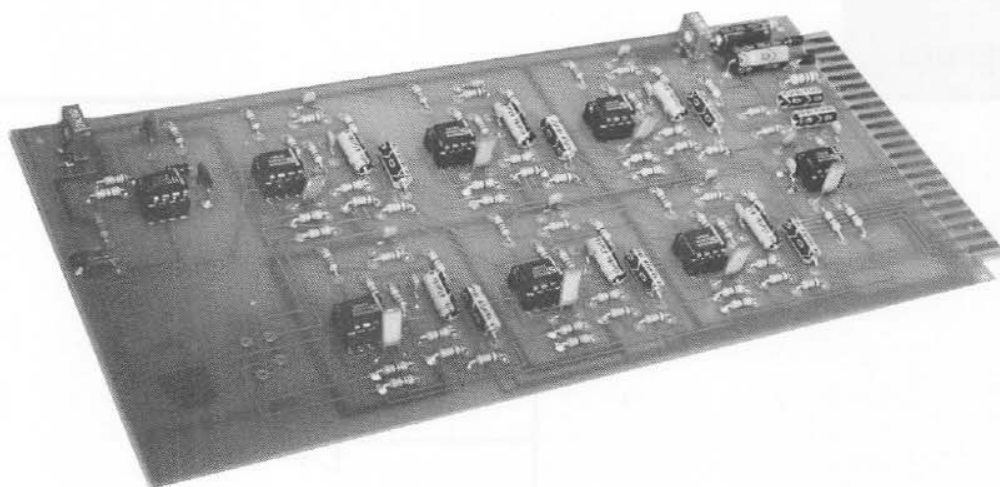


USI AUDIO

TM

3016-DA Distribution Amplifier Card for DME-3000 System



Product Data

- Provides six actively balanced or twelve unbalanced outputs from single actively balanced input
- Trim pot for overall gain control
- LED output peak indicator
- For use with the USI Audio DME-3000 Series modules and chassis

Specifications:

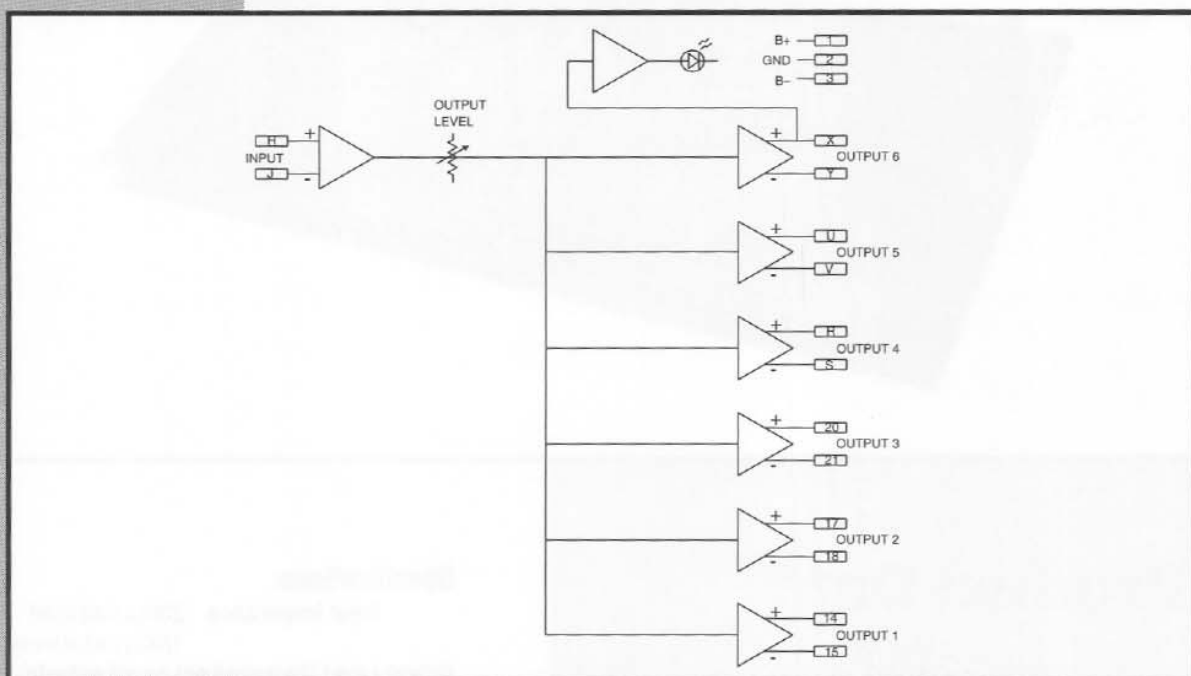
Input Impedance	20K Ω balanced 10K Ω unbalanced
Output Level (balanced out on all outputs) (At max gain setting of 20 dB)	
+21 dBm	600 Ω load ± 12 VDC
+24 dB	10K Ω load ± 12 VDC
+23 dBm	600 Ω load ± 15 VDC
+26 dB	10K Ω load ± 15 VDC
Frequency Response	20 - 50 kHz ± 0.5 dB max output 600 Ω load
Harmonic Distortion	<0.1% (+20 dBm, all outputs, 600 Ω load)
Signal to Noise Ratio	(+20 dBm, all outputs, 600 Ω load) -80 dBm (EIN -120 dBm)
Power Requirements $\pm 12 - 15$ VDC	100 mA @ ± 12 VDC 110 mA @ ± 15 VDC
Dimensions	4.25" x 9.375" x 0.75"
Net Weight:	0.25 lbs. (0.13 kg)
Shipping Weight	1.0 lbs. (0.45 kg)

Description

The USI Audio 3016-DA is general purpose audio distribution amplifier designed for use in custom audio installations. It provides high performance in a cost-effective package which can be fabricated into a system with minimum shop and field labor. The 3016-DA provides six actively balanced outputs or twelve unbalanced outputs (or a combination of the two) from a single actively balanced input. A trim pot is included for overall gain as well as a LED peak indicator which illuminates at the onset of clipping at the outputs. The unit is

designed to be used as either a stand alone card with edge connectors installed within a rack or enclosure, or with the USI Audio 3000-MF Chassis, which will accommodate up to eight cards in a 5 1/4" high rack mount. When used with the 3000-MF Chassis, connections are made through the backplane circuit board terminating into screw terminals. Power supply connections are made through the backplanes and connect automatically as additional backplanes are added to the card cage.

Block Diagram



Architect's and Engineer's Specifications

The card shall be a active circuitry audio distribution amplifier. The card shall provide six actively balanced outputs or twelve unbalanced outputs (or any combination thereof) from a single actively balanced input. A single on-board trim pot shall

be provided for overall gain control. A LED shall light to indicate overload at the card's outputs. The card shall function as a stand-alone unit or with the USI Audio 3000-MF Chassis. The card shall be the USI Audio Model 3016-DA.

Part #207-0057-00

USI
AUDIO
a Division of University Sound® a Mark IV Company

13278 Ralston Avenue
Sylmar, CA 91342
Phone (818) 362-9516
FAX (818) 362-3463