

# Specifications

**Circuit Type:** Active

**Input:**  
Number of Connectors: 1  
Connection: 1/4" TS (Tip Hot, Sleeve Ground)  
Type: Unbalanced, RF Filtered  
Attenuation Pad: Switchable: 0, 20, 40 dB  
Filter: Switchable: Low Pass @ 6 kHz (40 dB pad position only)  
Max Input Level (0 dB Pad): +10 dBu typical @ 1 kHz with <1% THD  
(20 dB Pad): +30 dBu typical @ 1 kHz with <1% THD  
(40 dB Pad): +33 dBu  
Input Impedance (0dB): 1 M $\Omega$   
(-20dB): 65 k $\Omega$   
(-40dB): 70 k $\Omega$

**Outputs:**  
Number of Connectors: 2  
Main Output: Male XLR, Balanced, Pin 2 hot  
THRU Output: 1/4" Unbalanced TS (Tip Hot, Sleeve Ground)  
Main Output Impedance: 600  $\Omega$  typical, balanced  
Main Output CMRR (60 Hz): 106 dB typical @ 60 Hz  
(1 kHz): 123 dB typical @ 1 kHz  
(10 kHz): 108 dB typical @ 10 kHz  
Output Polarity: Switchable: Normal / Invert

**Performance:**  
Bandwidth: 20 Hz to 20 kHz +0/-2 dB typical with 600  $\Omega$  load  
20 Hz to 20 kHz +0/-1 dB typical with 2 k $\Omega$  or higher load  
Frequency Response: 16 Hz to 30 kHz, -3 dB, with 600  $\Omega$  Load  
10 Hz to 70 kHz, -3 dB, with 2 k $\Omega$  or higher load  
Phase Deviation (Input  $\delta$  Output): +40 deg @ 20 Hz, -20 deg @ 20 kHz into 2 k $\Omega$  load  
Insertion Loss: 1 dB typical  
Harmonic Distortion (THD+N): 0.03% typical @ 50 Hz, 0 dBu  
0.003% typical @ 1 kHz, 0 dBu  
0.005% typical @ 10 kHz, 0 dBu  
-112 dBu, 22 Hz to 22 kHz, unweighted  
122 dB, 22 Hz to 22 kHz, unweighted

Noise Floor:  
Dynamic Range: +48 V Phantom Power  
< 8 mA

**Power Supply:** Switchable: Ground / Lift

Voltage:  
Current:  
Ground:  
5.82" X 5.44" X 2.20"  
1.5 lbs. (0.68 kg)  
Metal Casting  
Powder Coat

**Physical:**  
Size (L x W x H):  
Weight:  
Construction:  
Finish: