

ALI20/25

Audio line isolator

AUDAC

► Features

- 1 : 1 Turns ratio
- 600 Ohm : 600 Ohm
- Line and Mic level
- In- and Output phase matching
- Ground lift switch
- Balanced XLR in- and outputs
- Solid aluminium housing
- Passive solution

► Applications

- Solving ground loop problems



AUDAC's ALI20/25 are Audio Line Isolators, designed to electrically isolate audio devices from each other.

Hum in audio systems is usually caused by ground loops in the system. A common mode current will flow in a ground loop created by an electrical system that has grounds on different voltage potentials. This results in a 50 Hz hum in the audio signal.

The most common method to solve these problems is an audio transformer. Unlike a large number of audio isolation transformers, the ALI20/25 offer very good performance. They don't have common problems like a distorted bass response or attenuated high frequency's.

The AUDAC ALI20/25 is a complete passive solution for the isolation of a stereo balanced audio signal. It features dual XLR in- and output connectors and a ground lift switch.

There's also taken care that the in- and output phases are matching.

The ALI20/25 are both built with an audio transformer with a turns ratio of 1 : 1 and an impedance of 600 Ohm. The difference is the shielding of the transformer. The ALI20 contains a shielded transformer which complies with the requirements of most applications, while the ALI25 contains a MU-metal shielded transformer which can be used when the regular shielding becomes inadequate. It ensures the best results in even the highest EMI polluted environments.

► Specifications

SYSTEM SPECIFICATIONS	
Input Impedance	600 Ohm
Output Impedance	600 Ohm
Turns ratio	1 : 1
Bandwidth	0.8 Hz to 100 kHz
Typical distortion at 1 kHz	0.001%
High Frequency -3 dB Cutoff	105 kHz
Low Frequency -3 dB Cutoff	0.8 Hz
20 Hz Response (reference 1 kHz)	-0.09 dB
20 kHz Response (reference 1 kHz)	-0.10 dB
Maximum 20 Hz Input Level at 1% THD	+2 dBu (0.975V)
Maximum 50 Hz Input Level at 1% THD	+10 dBu (2.449V)
THD at 20 Hz and -20dBu (typical)	0.035%
THD at 1 kHz and -20dBu (typical)	<0.001%
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	96 x 43 x 108 mm
Weight net	270 g
Construction	Aluminium
Connector	Input: 2 x XLR Female Output: 2 x XLR Male
Colour	Black
SHIPPING & ORDERING	
Shipping weight & volume	470 g - 0.016 Cbm

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our product