SES-X-FA2LXBT01 Datasheet

DESCRIPTION:

The SES-X-FA2LXBT01 4-channel (2+2) fiber extender sends a pair of balanced audio signals bidirectionally over fiber, featuring signal level dip switches that you can configure between mic and line level on each channel, as well as mute the outgoing signal and/or add +48V phantom power to the incoming signal. Designed for installations where copper runs are impractical or where ground loop noise and EMI interference are a concern. The SES-X-FA2LXBT01 can be mounted in a variety of ways, including front- or rear-facing 1RU mounting, half rack mounting, and surface mounting.

Sescom Tech Note: When configuring the SES-X-FA2LXBT01 ensure that you switch the “Out” Signal Level Dip Switch to “Mute” to avoid any pops or noises.

Not intended for Intercom applications.

FEATURES:

- 4-Channel (2+2) XLR Bidirectional Audio Over Fiber Transmission
- Simultaneously sends signal in both directions
- ST Fiber Connector
- High-Quality AKM (ADC/DAC) Digital Audio Converters
- Enable Cascaded Audio Setups
- Balanced Mic and Line Level Audio Operation With Phantom Power
- Indicator LEDs Monitor Fiber Link and Power
- Housed in Rugged Aluminum Enclosures
- Signal Level Dip Switches
- Mounting Ears for a Variety of Mounting Options
- FCC & RoHS Compliant



sales@sescom.com
www.sescom.com

Export Information
Country of Origin: USA
US ECCN: EAR99
HTS Code: 8544.42
US Dept. of Commerce CCATS: N.a
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Revision #01

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SPECIFICATIONS:

General Specs:

- **Dimensions (LxWxD):**
  - Not Including the Ears: 1.75” x 8.5” x 9 3/8”
- **Fiber Type:** OM3/OM4 Multimode or Single Mode
- **Fiber Transmission Distance:**
  - Multimode: 984 Feet
  - Single Mode: 12.4 Miles
- **Fiber Connector:** ST
- **Input Power:** 2.1mm Locking 12VDC/2A

Line Level:

- **Frequency Response Deviation (20Hz-20kHz):** 0.154 dB
- **Signal to Noise Ratio at 0dBFS, A-weighted:** -89
- **Total Harmonic Distortion at 1kHz, 0dBFS:** 0.003534%
- **Maximum Input Level:** 18 dBu
- **Maximum Output Level:** 18 dBu
- **Dynamic Range:** 107 dB
- **Gain:** 0.40 dB
- **Common Mode Rejection:** 72
- **Crosstalk:** -88
- **Input Impedance (Ohms):** 6.5k
- **Output Impedance (Ohms):** 650
- **Sample Rate/Bit Depth:** 48K/24 Bit
- **Latency:** 562.5 us

Microphone Preamp:

- **Frequency Response Deviation (20Hz-20kHz):** 0.167 dB
- **Signal to Noise Ratio at 0dBFS, A-weighted:** 102
- **Total Harmonic Distortion at1kHz, 0dBFS:** 0.058967.%
- **Maximum Input Level:** -22 dBu
- **Maximum Output Level:** 18 dBu
- **Dynamic Range:** 120
- **Gain:** 39 dB
- **Common Mode Rejection:** 83 dB
- **Crosstalk:** -91
- **Input Impedance (Ohms):** 6.5k
- **Output Impedance (Ohms):** 650
- **Sample Rate/Bit Depth:** 48K/24 Bit
- **Latency:** 593.8 us
- **Phantom Power:** 48 VDC (switchable)

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