



Technical Data Sheet

CANFORD LINE ISOLATING UNITS

49-241 Canford Line Isolating Unit, Single Channel, 10K ohms

49-242 Canford Line Isolating Unit, Twin Channel, 10K ohms

49-243 Canford Line Isolating Unit, Single Channel, 600 ohms

DESCRIPTION

These units are designed to isolate line level signals where complete signal isolation is desirable or there may be issues with summing of signal earths. Line isolation units provide galvanic isolation between input and output connections and are available in single or twin-channel versions. Each channel has a transformer and an 'earth-lift' switch. They are housed in a tough, black-anodised extruded box with ABS bezels.

CONNECTIONS

The individual isolated audio circuits each have 3 pin XLR connections. Female XLR for the input and Male XLR for the output. Each audio circuit also has an earth-lift switch.

These units are symmetrical so can be used in either direction, even though the connectors are labelled input and output.

MODELS

Two types are offered, 10K ohms for high impedance circuits or 600 ohms for low impedance. The high impedance version may also be used with a low impedance source and a high-impedance, bridging, load.

TECHNICAL SPECIFICATION

High impedance models - 10k ohms: 10k ohms

Frequency response: +/- 1dB 30Hz-20KHz,
10K ohms source, 10K ohms load
Better than +/- 0.5dB, 60Hz – 15KHz
+/- 1.0dB, 40Hz – 20KHz.
Low impedance source, 10K ohms load

Distortion: Better than 0.015%, 1%, 1KHz / 30Hz, +22dBu

Insertion loss: Less than 1.0dB, 10K ohms source and load

Low impedance model - 600 ohms: 600 ohms

Frequency response: Better than +/- 0.3dB 20Hz-20KHz, 1 kHz,
600 ohms source, 600 ohms load

Distortion: Better than 0.015%, 1KHz, +22dBu
1%, 30Hz, +19dBu

Insertion loss: 0.7dB, 600 ohms source and load
1.3dB, 600 ohms source, 300 ohms load

Dimensions: 107 x 93 x 50 (L x W x H) mm

Weight: 490g