

USE 109 PASSIVE MIC / LINE LEVEL SPLITTER

8 / 16 channel units equipped with excellent Lundahl transformers with two galvanically isolated outputs as another variation of passive signal distribution



DESCRIPTION:

This unit uses an 1:1+1 Lundahl split transformer that has excellent specifications with microphone signals, but can also handle very high line levels. Its design also ensures interference-free transmission at potential differences and reduces the impact of the cable capacity on the frequency response. Eight channels are using a common circuit board that carries the following components:

- 1 DSUB25 connector for the input signals, in parallel
- 8 balanced TRS jacks, on the opposite side
- 2 DSUB25 connectors for the outputs associated with
- 2 blocks of ground lift switches for the separation of the output screens

Custom designs are possible at short notice, for example:
> 16 channel units with all the connectors on one side
> 8 channel units with additional XLR connectors
> 8 channel units with other multipin connectors
The rack ears can be rotated if needed

SPECIFICATIONS:

Max. Level:

Max. Level Frequency > 200Hz:

THD&N (Input +4dBu):

Frequency Response (Ref. 1kHz):

Frequency Response (Load 10nF):

Balance of Input:

Balance of Output (IRT):

Isolation (Transformer):

All measurements made with 200Ω source and 2kΩ load at all outputs

+12 dBu / 40 Hz THD+N < 0.5%

+29 dBu @ THD+N < 0.1%

0.15 %/40Hz 0.002%/1kHz 0.002%/20kHz (bandwidth 80 kHz)

20 Hz -0.2dB to 100 kHz -0.3dB

ca. -0.7dB @ 20kHz per each wired output

≥ 65dB 20Hz - 20kHz

≥ 80dB 20Hz / ≥ 70dB 1kHz / ≥ 50dB 20kHz

4 kV between windings / 2 kV between windings and shields

Dimensions (HxWxD):

Weight:

44.4 x 483 x 130 mm (19" 1 U)

ca. 2.0 kg (8 Ch.), ca. 2.8 kg (16 Ch.)