

Microphone Transformer LL4310

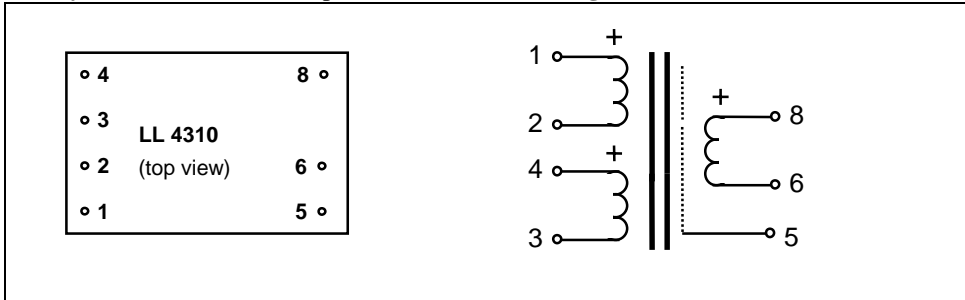
The LL4310 is small size microphone input transformer, with a high permeability mu-metal core and two two-section coils with internal Faraday shields.

The transformer is encapsulated in a mu-metal housing for magnetic shielding.

Turns ratio:

1 + 1 : 4

Pin layout (viewed from component side) **and winding schematics:**



Dimensions Max. Length x Width x Height above PCB (mm)	Spacing between pins	Spacing between rows of pins	Recommended PCB hole diameter	Weight
28 x 18 x 12	3.81 mm(0.15")	20.32 mm (0.8")	1.5 mm	17 g

	LL4310
Turns ratio	1 + 1 : 4
Static resistance of each primary	29 Ω
Static resistance of secondary	240 Ω
Primary level at 0.2 % THD, 50 Hz signal Primaries connected in parallel, source impedance 150Ω	-14 dBU (sec. level -2 dBU)
Primary level at 1 % THD, 50 Hz signal Primaries connected in parallel, source impedance 150Ω	- 4 dBU (sec. level +8 dBU)
Frequency response +/- 1.0 dB Primary signal level -4 dBU, source 150 Ω Primaries in parallel, secondary termination 10k	15Hz – 40kHz
Optimum termination for best square-wave response (Connection 1:4, source imp. 200Ω , following stage input impedance < 10 kΩ)	no additional termination required
Optimum termination for best square-wave response (Connection 1:4, source imp. 200Ω , following stage input impedance >> 10 kΩ)	10 kΩ in series with 200 pF
Isolation between windings / between windings and shield	3 kV / 1.5 kV

