

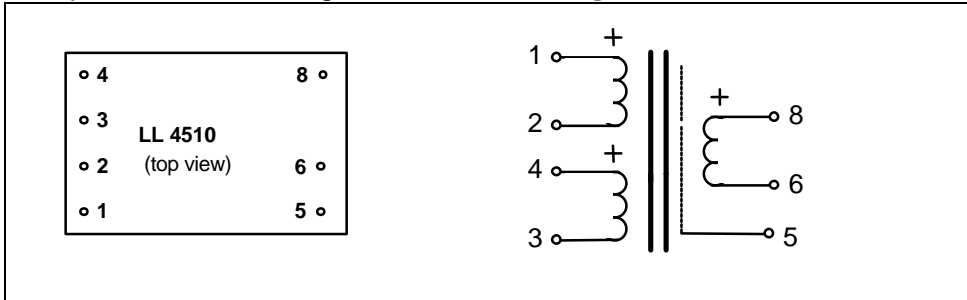
## Microphone Transformer LL4510

The LL4510 is small size microphone input transformer, with a high permeability mu-metal core and two two-section coils with internal Faraday shields.

**Turns ratio:**

1 + 1 : 3.9

**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
26 x 17 x 12	3.81 mm(0.15")	20.32 mm (0.8")	1.5 mm	<b>17 g</b>

	<b>LL4510</b>
<b>Turns ratio</b>	1 + 1 : 3.9
<b>Static resistance of each primary</b>	56 Ω
<b>Static resistance of secondary</b>	600 Ω
<b>Primary level at 0.2 % THD, 50 Hz signal</b> Primaries connected in parallel, source impedance 150Ω	<b>dBU</b> (sec. level dBU)
<b>Primary level at 1 % THD, 50 Hz signal</b> Primaries connected in parallel, source impedance 150Ω	<b>dBU</b> (sec. level dBU)
<b>Frequency response +/- 1.0 dB</b> Primary signal level -4 dBU, source 150 Ω Primaries in parallel, secondary termination 10k	<b>15Hz – 40kHz</b>
<b>Optimum termination for best square-wave response</b> (Connection 1:4, source imp. 200Ω , following stage input impedance < 10 kΩ)	<b>no additional termination required</b>
<b>Optimum termination for best square-wave response</b> (Connection 1:4, source imp. 200Ω , following stage input impedance >> 10 kΩ)	<b>10 kW in series with 200 pF</b>
Isolation between windings / between windings and shield	3 kV / 1.5 kV

