

## Microphone Input Transformer LL1936

The LL1936 is a microphone input transformer which can be connected for microphones with different impedance. It is built using our dual coil structure, with a mu metal lamination core. The transformer is magnetically shielded by a mu metal housing.

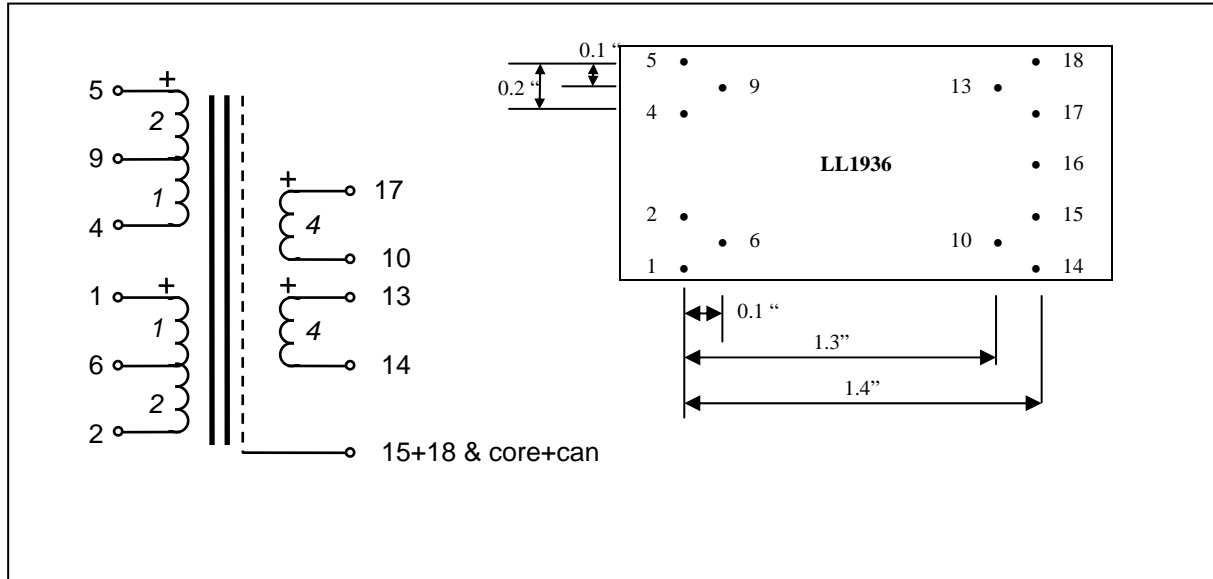
**Turns ratio:**

(2+1) + (2+1) : 4 + 4

**Dims (Length x Width x Height above PCB (mm)):**

48 x 29 x 20

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



**Weight:**

90 g

**Rec. PCB hole diameter:**

1.5 mm

Secondary connection	Out+	Out-	Connect (= Output centertap)
for 1200 Ω real or virtual impedance	17	14	10 + 13

Input impedance (1200 ohm load)	Turns ratio	In+	In-	Connect	Faraday shield and housing
75 Ω	2 : 8	5 + 6	9 + 2		15 + 18
150 Ω	3 : 8	5 + 1	4 + 2		15 + 18
300 Ω	4 : 8	5	2	9 + 6	15 + 18
600 Ω	6 : 8	5	2	4 + 1	15 + 18

<b>Static resistance of each primary 1 (9-4 or 1-6):</b>	13 Ω
<b>Static resistance of each primary 2 (5-9 or 6-2):</b>	24 Ω
<b>Static resistance of each secondary:</b>	50 Ω
<b>Distortion</b> Source 600 Ω, primary connection for 600 Ω	0.1% THD @10dBu, 50Hz 1% THD @ 20dBu, 50Hz
<b>Frequency response:</b> Balanced input, 0 dBu signal level, source 600Ω, load 10kΩ	10Hz – 100kHz +/- 1dB rel. 1kHz
<b>Isolation between primary and secondary windings/ between windings and shield:</b>	4kV / 2kV