

High Level Tube Amplifier Input Transformer LL1674

The LL1674 is a large, high signal level audio transformer built with the well know Lundahl amorphous core. The LL1674 consists of two coils, each with a two-sectioned primary winding and a high level secondary winding separated by electrostatic shields. The core is a two-component amorphous strip core. The very high mu of the core results in a phase shift of less than 0.5 degree at 10Hz.

The transformer is magnetically shielded by a mu metal housing.

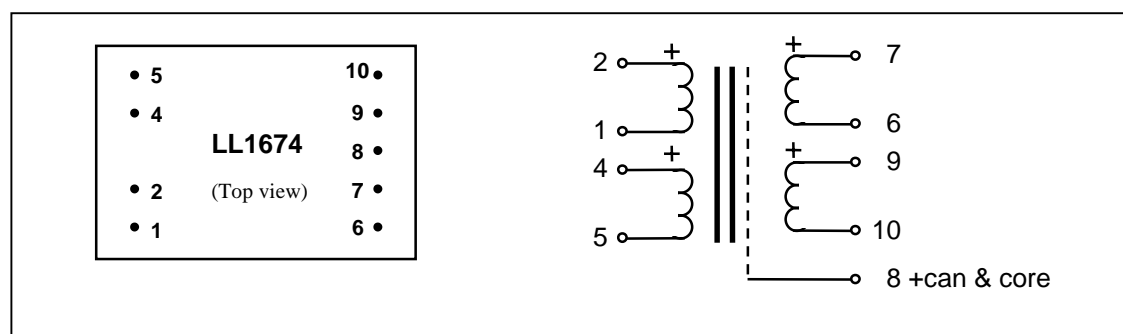
Turns ratio:

1 + 1 : 4 + 4

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

43 x 28 x 21

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



Spacing between pins:

5.08 mm (0.2")

Spacing between rows of pins:

30.48mm (1.2")

Weight:

80 g

Rec. PCB hole diameter:

1.5 mm

Static resistance of each primary (average):	33Ω
Static resistance of each secondary (average):	605Ω
Distortion (primaries connected in parallel, source impedance 150Ω):	22V rms (+29 dBu) secondary level, 30 Hz: 1%
	22V rms (+29 dBu) secondary level, 50 Hz: 0.2%
Self resonance point :	70 kHz
Optimum termination for best frequency response (source imp. 150Ω) :	No termination required
Frequency response (source 150Ω , load 10k)	10Hz – 45kHz +/- 0.5dB -3dB @ 80kHz
Isolation between primary and secondary windings/ between windings and shield (rms):	3 kV / 1.5 kV

Suggested usage, 1: 4+4

