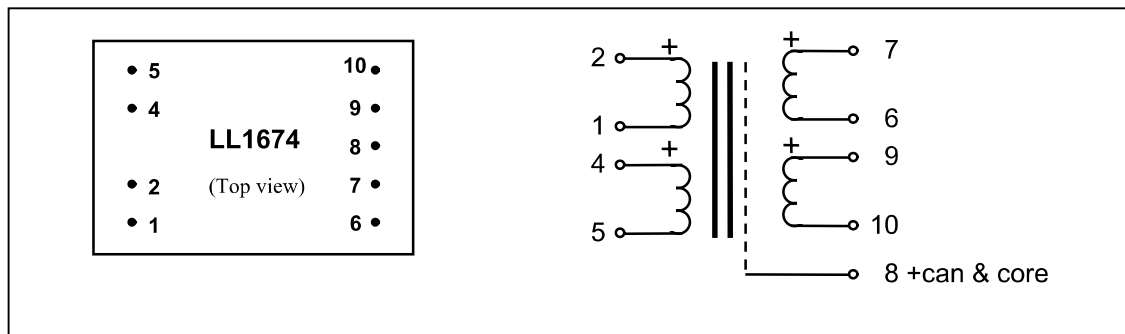


## High Level Tube Amplifier Input Transformer LL1674

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

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

### Suggested usage, 1: 4+4

