

Output transformer for tube headphone amplifiers LL2774

The LL2774 is a three sectioned, dual coil, C-core output transformer for headphone amplifier applications.

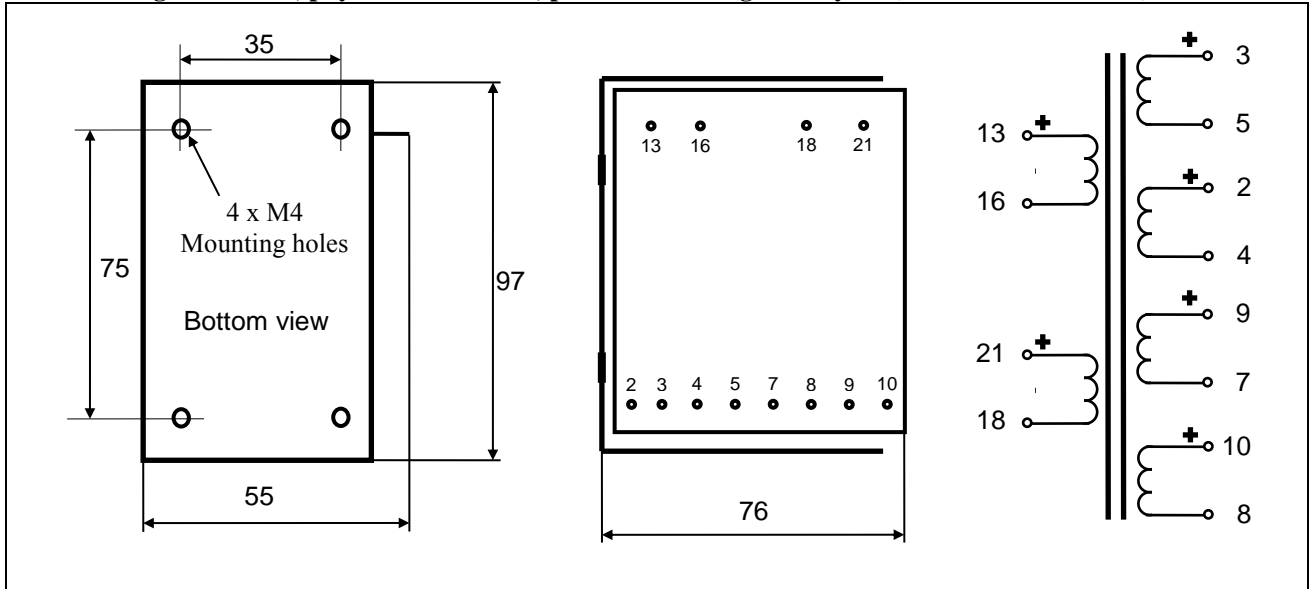
LL2774 is available in PP and SE versions.

The coil is wound using our standard high internal isolation technique with isolation foil between each copper layer. The core is an audio C-core of our own production.

Turns ratio

6.8+6.8 : 1+1+1+1

Winding schematics, physical dimensions, pin and mounting hole layout (all dimensions in mm)



| | |
|--|-----------------------------|
| Weight: | 1.3 kg |
| Static resistance of each primary: | 76 Ω |
| Static resistance of secondaries 2-4 and 7-9 | 2.7 Ω |
| Static resistance of secondaries 3-5 and 8-10 | 3.6 Ω |
| Max recommended DC current through primary windings: | 180mA (5W heat dissipation) |
| Isolation between windings / between windings and core: | 4 kV / 2 kV |
| Frequency response | |

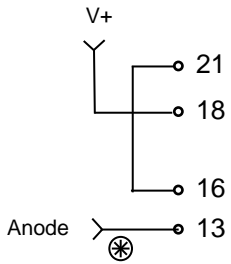
| | LL2774/PP | LL2774/30mA | LL2774/60mA |
|---|---------------------------|----------------------------|----------------------------|
| Primary inductance (primaries in series) | 170H | 60H | 30H |
| Max primary signal at 30 Hz (primaries in series) | 370V r.m.s. (PP usage) | 160 V r.m.s. (SE usage) | 160 V r.m.s. (SE usage) |

Suggested use

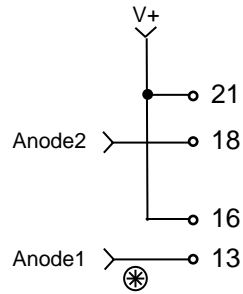
| Headphone impedance | Suggested connection alternative | Turns ratio | Primary impedance (ohms) |
|---------------------|----------------------------------|-------------|--------------------------|
| 16 ohms | A | 13.6 : 1 | 3k |
| 64 ohms | B | 6.8 : 1 | 3k |
| 300 ohms | C | 3.4 : 1 | 3.5k |

Connection alternatives

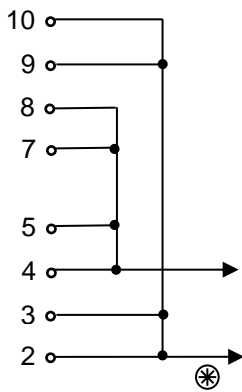
Primary connection for Single-End



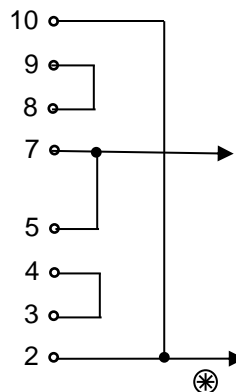
Primary connection for Push-Pull



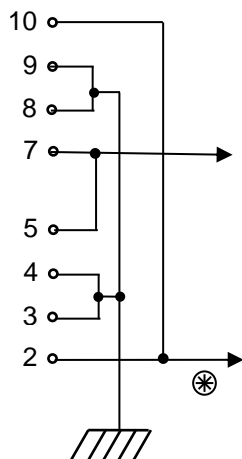
Secondary connection A (13.6 : 1)



Secondary connection B (6.8 : 1)



Secondary connection B (6.8 : 1)
with grounded centertap



Secondary connection C (3.4 : 1)

