Tube amplifier output transformer LL1682
5.5k : 5 ohms

The LL1682 is a four-sectioned, dual coil C-core tube amplifier output transformer for 5.5k: 5 ohms impedance ratio 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**  \[ 16+16 : 1+1 \text{ or } (5+11)+(5+11) : 1 + 1 \]

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

![](image)

- **Weight:** 1.35 kg
- **Static resistance of each primary:** 105 Ω
- **Static resistance of secondary** (connected in parallel as below): 0.4 Ω
- **Isolation between windings / between windings and core:** 4 kV / 2 kV
- **Max recommended DC current through any primary winding:** 160mA

<table>
<thead>
<tr>
<th></th>
<th>LL1682/PP</th>
<th>LL1682/50mA</th>
<th>LL1682/100mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary inductance (approx)</td>
<td>100H</td>
<td>35H</td>
<td>17H</td>
</tr>
<tr>
<td>Max primary signal</td>
<td>450V R.M.S. @ 30 Hz</td>
<td>200V R.M.S. @ 30 Hz</td>
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</tr>
<tr>
<td>Max output power @ 30 Hz</td>
<td>40W (5Ω spkr)</td>
<td>8W (5Ω spkr)</td>
<td>8W (5Ω spkr)</td>
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</tbody>
</table>

**Suggested use:**

LL1682 used in Push Pull
Plate-to-plate impedance 5.5k at 5 ohms load

LL1682 used in Single End
Primary impedance 5.5k at 5 ohms load