

## Tube amplifier output transformer LL1691E 20k : 4, 16 ohms (for 211 and similar tubes)

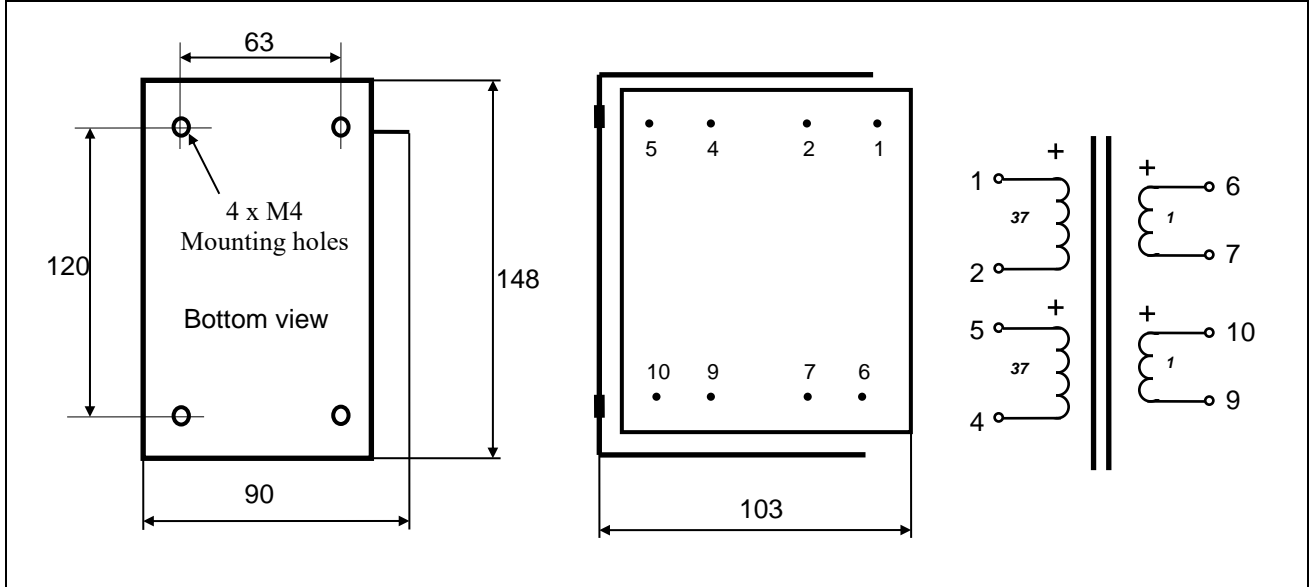
The LL1691E is a dual-coil single-C-core tube amplifier output transformer for 20k : 4, 16 ohms impedance ratio available in PP and SE versions.

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

Turns ratio

37+37 : 1+1

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



<b>Weight:</b>	4.6 kg
<b>Static resistance of each primary:</b>	260 Ω
<b>Static resistance of each secondary:</b>	0.3 Ω
<b>Isolation between windings / between windings and core:</b>	4 kV / 2 kV
<b>Max DC current through any primary winding (10W heat dissip):</b>	140mA

	LL1691E/PP	LL1691E/70mA
Primary inductance (approx.)		110H
Max primary signal	1830V R.M.S. @ 30 Hz	790V R.M.S. @ 30 Hz
Max output power @ 30 Hz	160W	30W

**Suggested use** (combine as appropriate):

