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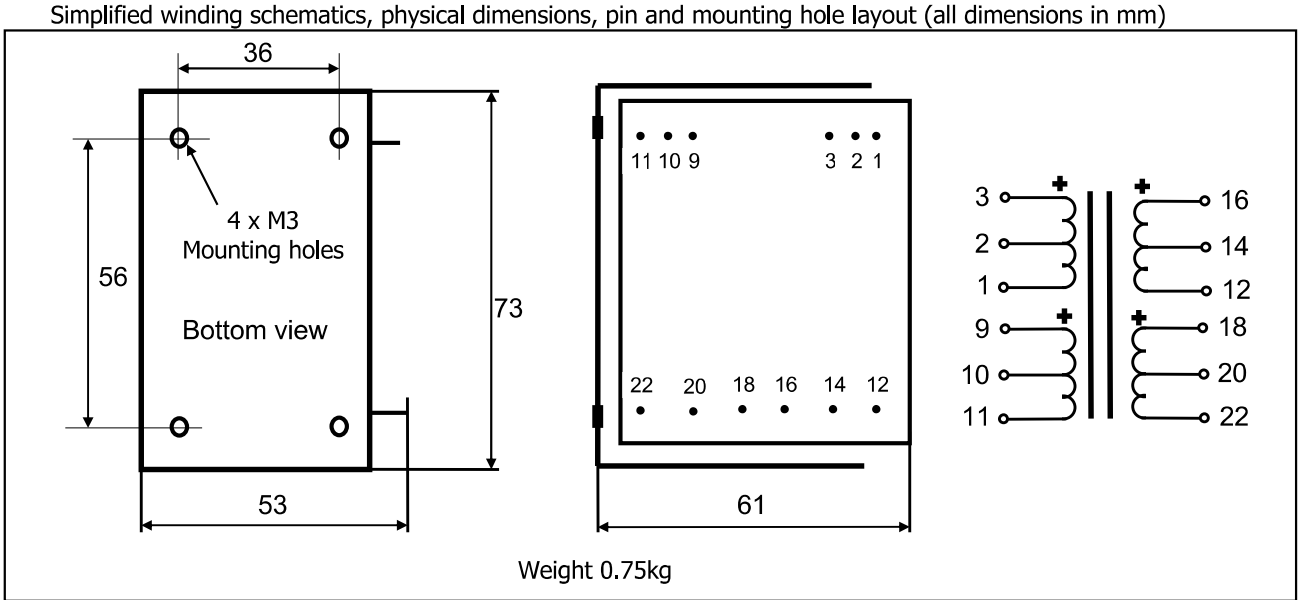
TRANSFORMERS

Small size single-end tube amplifier output transformer
LL2777B
for 3.5k : 5 and 8 ohms, with 50% UL.

LL2777B is a small size power output transformer for tube amplifiers. The LL2777B has a 50% UL tap and can be gapped for different DC currents. Core airgap is normally chosen for a 0.9T operating point (for example LL2777B/60mA for 60mA standing current).
The C core is a high-quality grain-oriented silicon steel C-core from our own production. LL2777B is also available with amorphous and nanocrystalline core.

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



Weight 0.75kg

Turns ratio in application	26:1 for 3.5kΩ : 5Ω 20:1 for 3.4kΩ : 8Ω
UL tap	50% from B+
Static resistance of primary (primary windings in parallel as indicated below)	175 Ω
Static resistance of secondary (secondary windings connected as indicated below)	0.4 Ω for GND -- 5 Ω 0.5 Ω for GND -- 8 Ω
Primary Inductance, LL2777B/70mA	60H
Primary leakage inductance (primary connected as below, secondary short circuited)	11mH
Max recommended primary DC current through windings (heat dissipation 4W)	150 mA
Max. primary signal voltage at 30 Hz	110V RMS
Frequency response (source 1k, load 8 ohms, ref. 1kHz)	+0 / - 2 dB: 15Hz – 45kHz
Max output power at 30Hz	3.5W
Signal loss across transformer	1 dB
Isolation between primary and secondary windings / between windings and core:	4 kV / 2 kV

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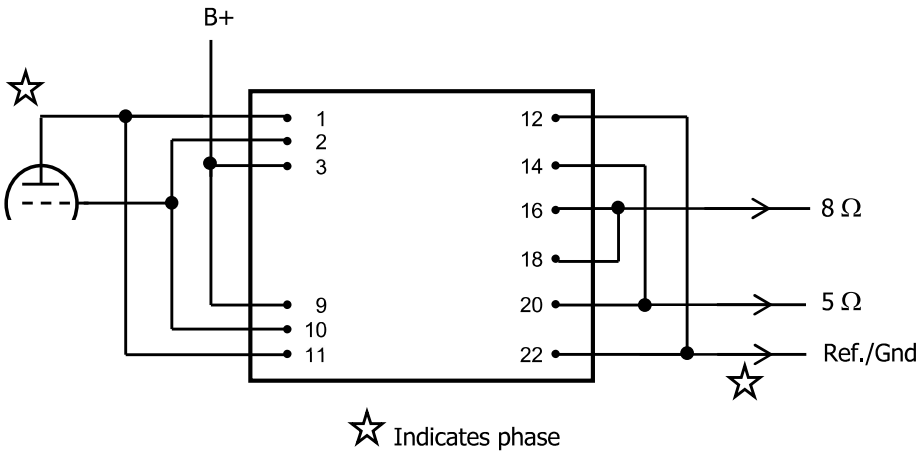
LL2777B
Suggested connection for SE output



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