

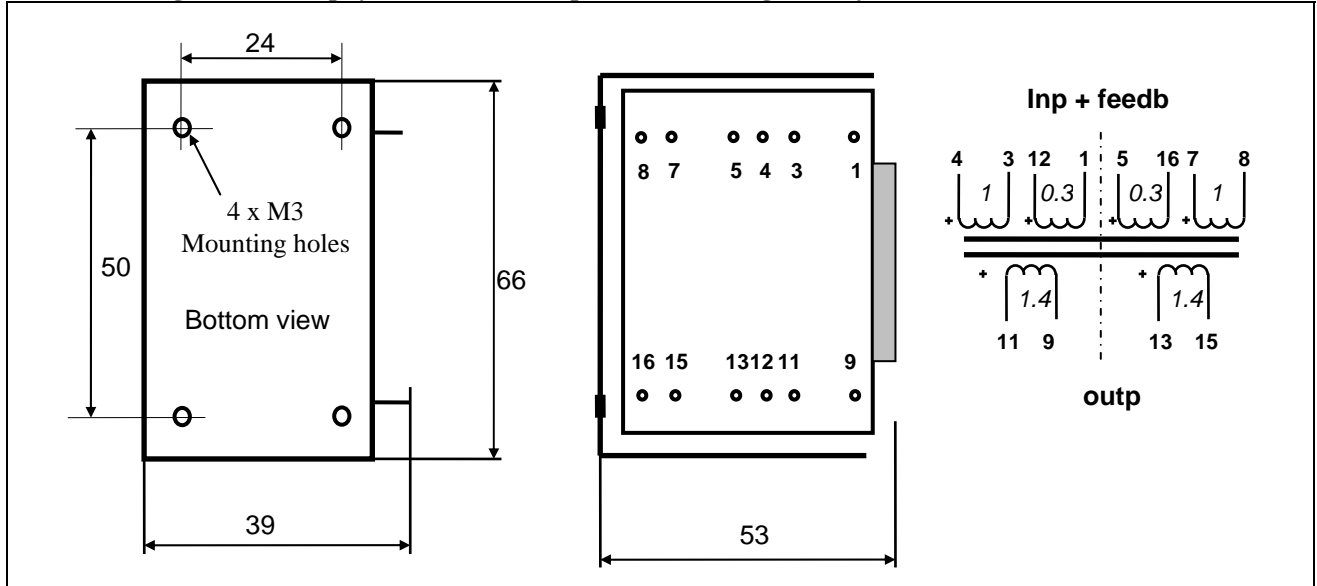
Line Output Transformer for SE Solid State LL2734

The LL2734 is a line output transformer for SE solid state output circuits, based on the Neve LO1166A. The transformer consists of two coils, each coil consists of one primary winding (divided in two sections to reduce leakage inductance), one secondary winding and one feedback winding. The core is a special audio C-core of our own production.

Turns ratio:

$$1 + 1 : 1.4 + 1.4 + 0.3 + 0.3$$

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



Weight	Turns ratio	Static resistance, winding 11-9 and 13-15	Static resistance, winding 12-1 and 15-16	Static resistance, winding 4-3 and 7-8
0.35 Kg	1 + 1 : 1.4 + 1.4 + 0.3 + 0.3	16 Ω	4 Ω	5 Ω

Isolation between primary and secondary windings / between windings and core:
Max standing DC current through any primary section (3W heat dissipation)

4 kV / 2 kV
550 mA

Type	LL2734/100mA		
Application	Line output		
Connection	Alt A		
Turns ratio	1:1.4		
Primary DC current for 0.9 Tesla	100mA		
Primary Inductance	1.0 H		
Frequency response, +0, -1.5dB (ref. 1kHz) Source impedance 10 Ω Load 100 kΩ	15Hz – 80kHz		
Max primary signal voltage (RMS) at 30 Hz (0.6T)	11.5V rms		
Max output voltage @ 50 Hz	26V rms 30 dBu		

Solid State Line Output Transformer LL2734 Connection Alternatives

