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– TRANSFORMERS –

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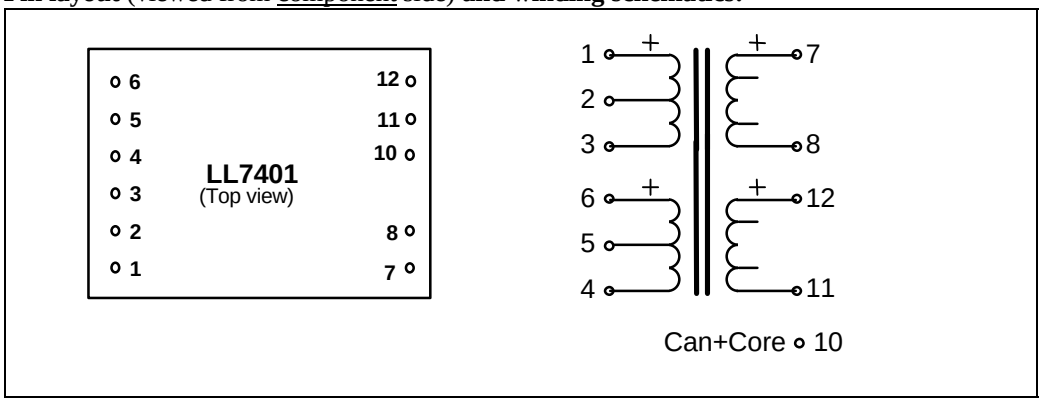
Audio Output Transformer
LL7401

LL7401 is an audio output transformer for balanced drive.
In LL7401 a five section winding structure is used. This results in a very low leakage inductance without high capacitive coupling and low isolation voltage, which are drawbacks of the bifilar winding technique.

Turns ratio: 1 + 1: 1 + 1
Dims (Length x Width x Height above PCB (mm)): 47 x 34 x 17
Pin layout (viewed from component side) **and winding schematics:**

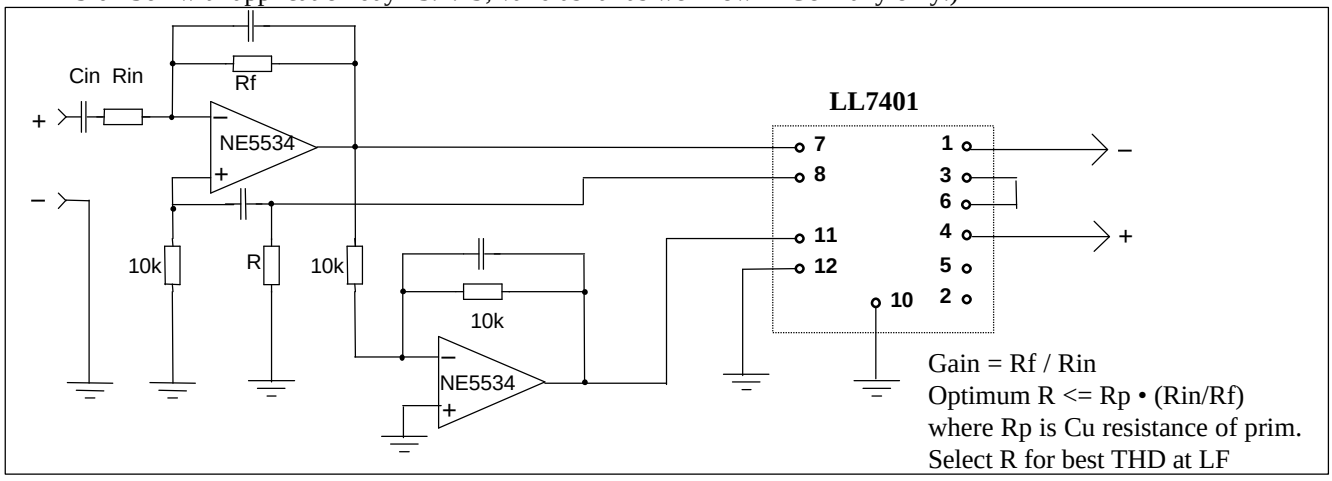


Spacing between pins:	5.08 mm (0.2")
Spacing between rows of pins:	35.56 mm (1.4")
Weight:	92 g
Rec. PCB hole diameter:	1.5 mm
Static resistance of each primary:	9 Ω
Static resistance of each secondary:	9 Ω
Leakage inductance of secondaries (sec. in series):	50 µH
No-load impedance:	>700 Ω @ 50 Hz, +20 dBU
Optimum source impedance:	Minus 9 Ω (See application below)
Balance of output (according to IRT, source < 10 Ω , Load 600 Ω):	> 60 dB

Note! *Performance figures below are obtained using mixed feedback drive circuits. (See application example).Otherwise use lowest possible source impedance*.

Distortion (connection as application example below, load 600 Ω)	0.05 % @ +22 dBU, 50 Hz
Frequency response (@ 10 dBU, connections as below , load 600 Ω):	20 Hz -- 80 kHz +/- 0.3 dB
Voltage loss across transformer (at midband with 600 Ω load):	0 dB
Isolation between primary and secondary windings / between windings and core:	4 kV / 2 kV

Application example with mixed feedback: (NOTE! This application is covered by a German patent DE 29 01 567 with application day 13.1.79, valid as far as we know in Germany only.)



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