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– TRANSFORMERS –

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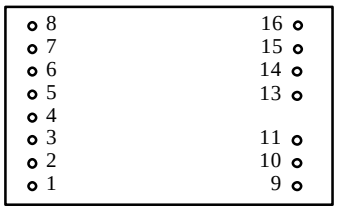
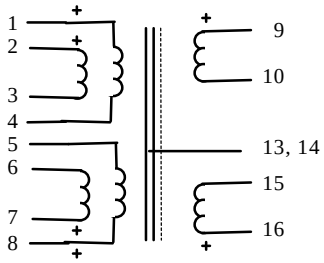
Audio Transformer
LL9306

LL9306 is an audio transformer, originally designed as a current transformer for ZF input applications. The transformer is built up from two coils, each with a secondary winding surrounded by shields and two primary windings. This structure results in an excellent frequency response. The LL9306 core is made from cobalt-based high-mu amorphous metal. The core will easily saturate if any DC component is present in the signal.

Turns ratio: 1 + 1 + 1 + 1 : 2 + 2
Dims: (Length x Width x Height above PCB (mm)) 30 x 23 x 13
Pin Layout (viewed from component [top] side) and winding schematics:





Pins 13 + 14: Core + housing + Faraday shields

Spacing between pins: 2.54 mm (0.1")
Spacing between rows of pins: 22.86 mm (0.9")
Weight: 30 g
Rec. PCB hole diameter: 1.5 mm
Static resistance of <u>each</u> primary (average): 2.6 Ω
Static resistance of <u>each</u> secondary (average): 5.2 Ω
Self resonace point: > 500 kHz

Isolation between windings / between windings and shields: 3 kV / 1.5 kV

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