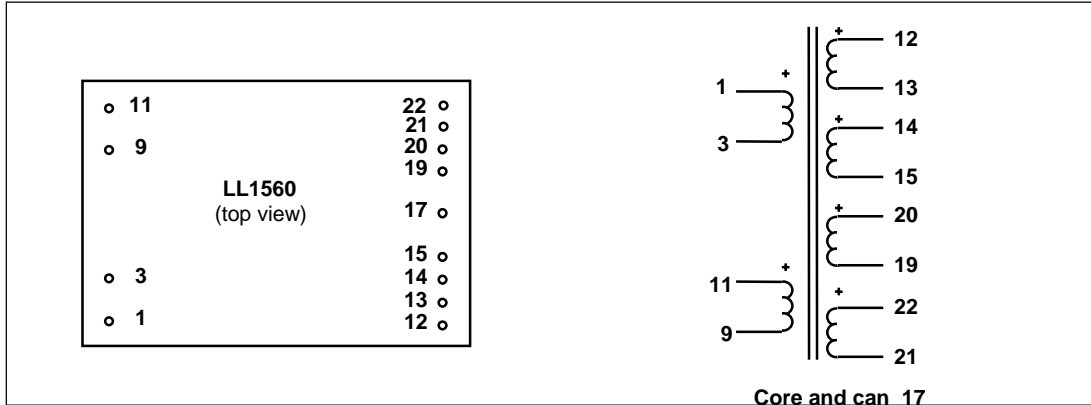


Audio Split Transformer LL1560

LL1560 is an audio transformer specially built for active splitting. Each of the four secondary windings is surrounded by primary winding parts. This results in a low leakage inductance and ensures that output signal is maintained on three of the secondary windings even if one is short-circuited, provided of course that driving power is available. The primary windings should be used in parallel.

Turns ratio: 2 + 2 : 1 + 1 + 1 + 1
Dims: (Length x Width x Height above PCB (mm)) 47 x 34 x 23
Pin Layout (viewed from component side) and Windings Schematics (simplified):



Housing:	Mu-metal
Core:	Audio C-core
Spacing between pins:	2.54 mm (0.1")
Spacing between rows of pins:	35.56 mm (1.4")
Weight:	130 g
Rec. PCB hole diameter:	1.5 mm
Static resistance of each primary (average):	120 Ω
Static resistance of each secondary (average):	55 Ω
Secondary leakage inductance (secondaries in series, primary short circuited):	< 1 mH
Max. secondary level (each secondary)	+ 26 dBu @ 50 Hz
No-load primary impedance (primaries in parallel, primary level):	> 1 kΩ @ 50 Hz, +20 dBu
Balance of output (according to IRT, source 10 Ω , Load 600 Ω):	> 60 dB
Frequency response (source 10 Ω , each sec. loaded with 600 Ω , 0 dBu sec. level):	20 Hz - 50 kHz +/- 0.5 dB
Isolation between windings / between windings and shields:	4 kV / 2 kV

Driving circuitry, mixed feedback, 2:1+1+1+1, suggested by A. Offenberg, NRK

