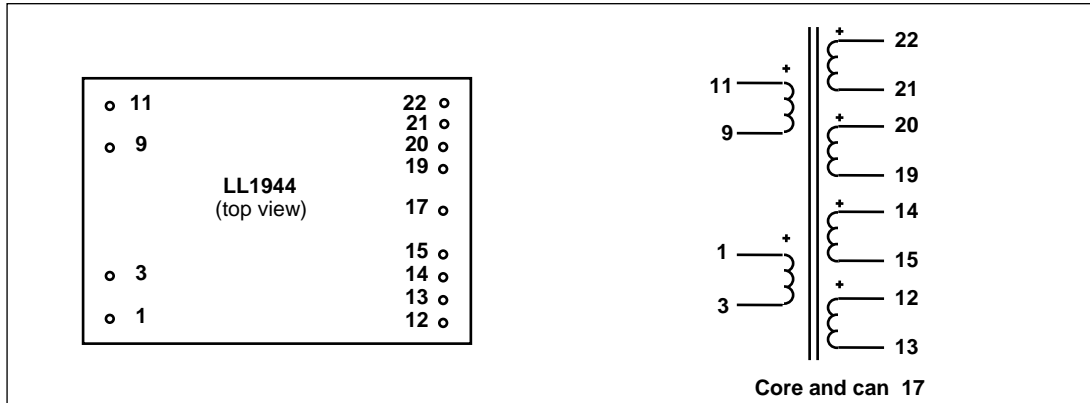


Audio Split Transformer LL1944

LL1944 is a four-output splitting transformer to be used with low impedance signal sources. Each of the four secondary windings is surrounded by primary winding sections. In addition to low leakage inductance, this ensures that output signal is maintained (but slightly dropped) on three of the secondary windings even if one of the secondaries is short-circuited, provided that the source is enough low impedance. The primary windings should normally be used in parallel.

Turns ratio: 1 + 1 : 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:	Silicon Iron 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:	1.3 mm
Static resistance of <u>each</u> primary (average):	54 Ω
Static resistance of <u>each</u> secondary (average):	110 Ω
Max. secondary level (each secondary)	+ 28 dBu @ 50 Hz
No-load primary impedance(primaries in parallel, primary level):	> 0.9 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 primary and secondary windings:	4 kV
Isolation between between windings and shields:	2 kV

LL1944 typical application, 1 : 1+1+1+1

