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– TRANSFORMERS –

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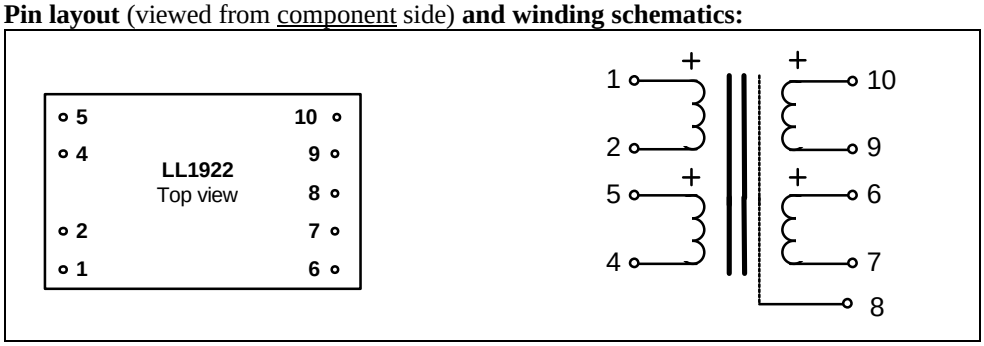
High Level Stepup Line Input Transformer
LL1922

LL1922 is a high-level input transformer similar to the UTC LS-10. Thus it is designed for step-up input from 600 ohm sources. To reach the LS-10 freq. response in 1:8 applications with nondifferential amplifier input, the internal Faraday shield must be tied to one of the source lines (the UTC LS-10 does not have any Faraday shield).
The two coils structure results in a high immunity to external magnetic fields from e.g. power supplies and motors. Primary and secondary windings are separated by electrostatic shields. The core is a high permeability mu metal core. The transformer is housed in a mu-metal can.

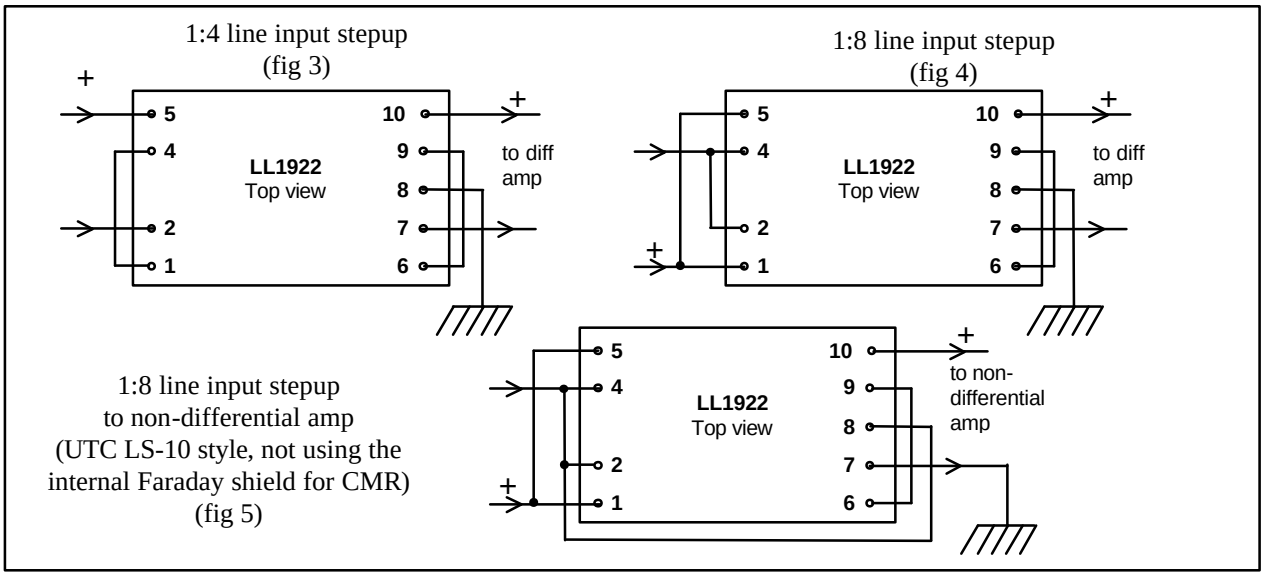
Turns ratio: 1 + 1 : 4 + 4

Pin layout (viewed from component side) **and winding schematics:**



Dimensions (L x W x H above PCB, in mm)	47 x 28 x 24
Spacing between pins	5.08 mm (0.2")
Spacing between rows of pins	35.56 mm (1.4")
Rec. PCB hole diameter:	1.5 mm
Weight:	115 g
Static resistance of each primary:	60Ω
Static resistance of each secondary:	730Ω
Distortion (primaries connected in series, source impedance 600Ω, load 47k. Primary signal level)):	+ 21 dBU 0.1% @ 50 Hz + 26 dBU < 1 % @ 50 Hz
Distortion (primaries connected in parallel source impedance 600Ω, load 47k. Primary signal level))::	+ 11 dBU 0.1% @ 50 Hz + 19 dBU < 1 % @ 50 Hz
Frequency response (source 600Ω, load 47 kΩ,	
Connected 1:4 (fig 3), primary level +10dBU	10 Hz -50 kHz +/- 1.0 dB
Connected 1:8 (fig 4), primary level +10dBU	10 Hz -30 kHz +/- 1.0 dB
Connected 1:8 (fig 5), primary level +10dBU	10 Hz -30 kHz +/- 1.0 dB
Isolation between windings/ between windings and shield:	4 kV / 2 kV

Connection alternatives and suggested applications:



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