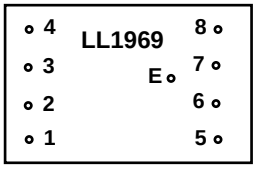
LUNDAHL
— TRANSFORMERS —

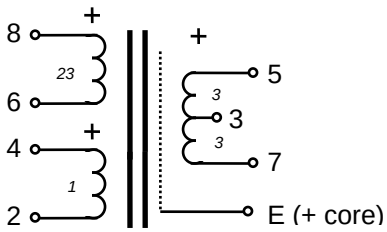
Microphone Output Transformer
LL1969

LL1969 is a tube microphone output transformer with an internal structure similar to the BV12 transformer.
Winding structure of each coil is as follows:
Feedback winding, primary winding, feedback winding, Faraday shield, secondary winding.
The windings of the two coils are internally connected.
The core is a high permeability laminated mu-metal core.

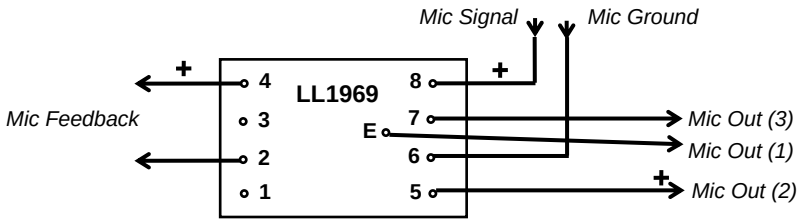
Turns ratio (primary+feedback : secondary) 23 + 1 : 6
Dims (Length x Width x Height above PCB) **(mm)**: 36 x 22 x 16
Pin layout (viewed from component side) **and winding schematics:**



Component side view



Spacing between pins:	5.08 mm (0.2")
Spacing between row of pins 1-4 and row of pins 5-8:	27.94 mm (1.1")
Offset of earth pin from adjacent row:	2.54 mm (0.1")
Weight:	40 g
Rec. PCB hole diameter:	1.5 mm
Static resistance of primary (6 – 8):	280 Ω
Static resistance of feedback winding (2 – 4):	7 Ω
Static resistance of output winding (5 – 7):	28Ω
Distortion (primaries connected in series, source impedance 10kΩ)**:**	+ 18 dBU primary level, 50 Hz: 1 %
Frequency response (source 10kΩ , load 10kΩ, input signal 10dBU)	15 Hz - 75 kHz +/- 1 dB
Isolation between windings/ between windings and shield:	3 kV / 1.5 kV



LL1969 connection suggestion

R220523 PL