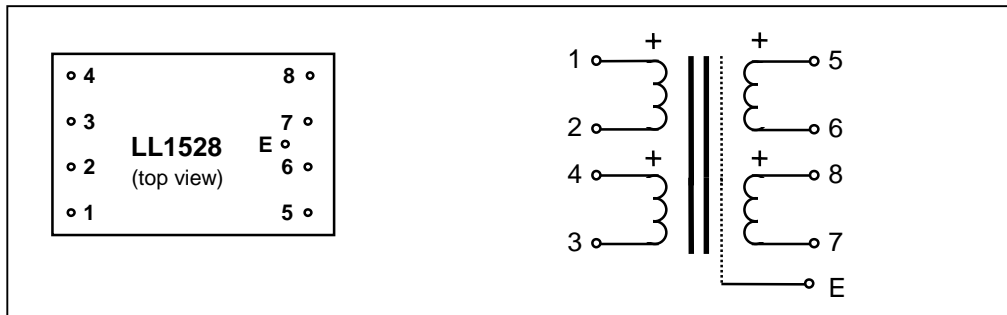


## Microphone Input Transformer LL1528

LL1528 is a microphone input transformers built up from two coils, each with one primary and one secondary section separated by a electrostatic shield. The core is a high permeability mu-metal core, and the transformer is housed in a mu-metal can.

**Turns ratio:** 1 + 1 : 2.5 + 2.5  
**Dimensions (Length x Width x Height above PCB (mm)):** 38 x 24 x 17  
**Pin layout (viewed from component side) and winding schematics:**



<b>Spacing between rows of pins:</b>	27.94 mm (1.1")
<b>Offset of earth pin from adjacent row:</b>	2.54 mm (0.1")
<b>Weight:</b>	46 g
<b>Rec. PCB hole diameter:</b>	1.5 mm
<b>Static resistance of each primary:</b>	42 Ω
<b>Static resistance of each secondary:</b>	450 Ω
<b>Distortion</b> (primaries connected in parallel, source impedance 200 Ω ):	+ 0 dBU primary level, 50 Hz: 0.2 % + 10 dBU primary level, 50 Hz: 1 %
<b>Self resonance point :</b>	> 80 kHz
<b>Optimum termination for best square-wave response</b> (Connection 1:5, source imp. 200Ω ) :	9 kΩ in series with 3 nF
<b>Frequency response</b> (source and load as above):	10 Hz - 40 kHz +/- 0.3 dB
<b>Isolation between windings/ between windings and shield:</b>	4 kV / 2 kV

