

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.

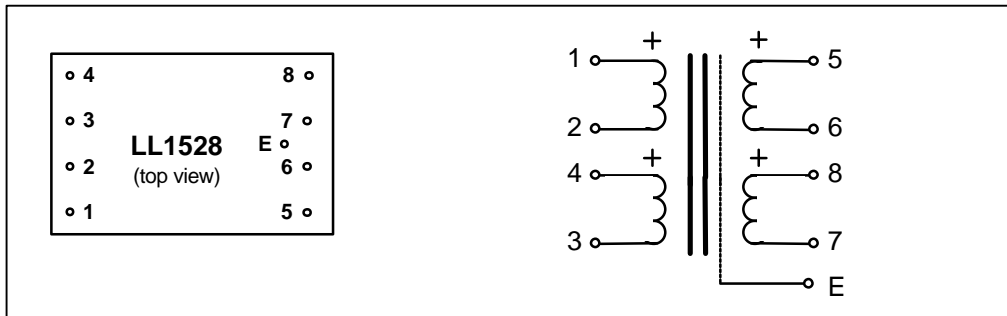
Turns ratio:

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:



Spacing between rows of pins:

27.94 mm (1.1")

Offset of earth pin from adjacent row:

2.54 mm (0.1")

Weight:

46 g

Rec. PCB hole diameter:

1.5 mm

Static resistance of each primary:

42 Ω

Static resistance of each secondary:

450 Ω

Distortion (primaries connected in parallel, source impedance 200 Ω):

+ 0 dBU primary level, 50 Hz: 0.2 %
+ 10 dBU primary level, 50 Hz: 1 %

Self resonance point :

> 80 kHz

Optimum termination for best square-wave response

9 kΩ in series with 3 nF

(Connection 1:5, source imp. 200Ω) :

Frequency response (source and load as above):

10 Hz - 40 kHz +/- 0.3 dB

Isolation between windings/ between windings and shield:

4 kV / 2 kV

Connection alternatives

