

Input Transformers LL1531 and LL1532

LL1531 is a small size, high impedance line input transformer.

LL1532 is a small size medium impedance mic/line input transformer.

The transformers consists of two coils each with one primary and one secondary winding separated by a electrostatic shield. The secondaries are serially connected internally. The core is a high permeability mu-metal core.

Being a high impedance transformer, the LL1531 should normally be used with primaries connected in series.

The LL1532 can be used with primaries in series or in parallel.

The transformers are magnetically shielded by a mu-metal case.

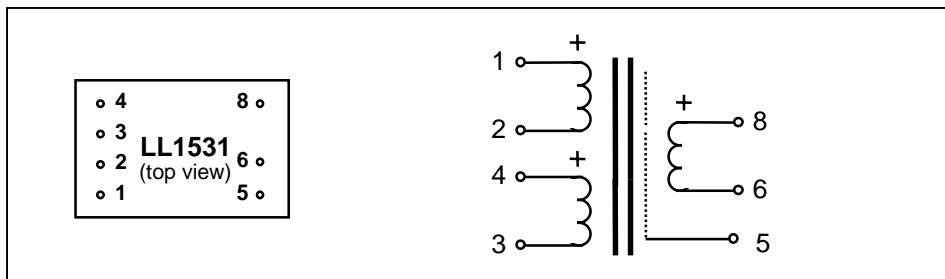
Turns ratio:

1 + 1 : 2

Dims (Length x Width x Height above PCB (mm)):

28 x 17 x 15

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



Spacing between pins:

3.81 mm (0.15")

Spacing between rows of pins:

20.32 mm (0.8")

Weight:

25 g

Rec. PCB hole diameter:

1.5 mm

| | LL1531 | LL1532 |
|---|---|--|
| Static resistance of each primary: | 500Ω | 70Ω |
| Static resistance of secondary: | 1.3kΩ | 180Ω |
| Distortion (primaries connected in series, source impedance 600Ω): | + 10 dBU primary level, 50 Hz: 0.2 % | + 0 dBU primary level, 50 Hz: 0.2 % |
| | + 20 dBU primary level, 50 Hz: 1 % | + 10 dBU primary level, 50 Hz: 1 % |
| Self resonance point : | > 80 kHz | > 200 kHz |
| Optimum termination for best square-wave response (source imp. 600Ω) : | 8 kΩ in series with 1.2 nF | 2 kΩ in series with 1.6 nF |
| Frequency response (source and load as above) | 10 Hz - 25 kHz +/- 0.3 dB | 10 Hz - 50 kHz +/- 0.3 dB |

Isolation between windings/ between windings and shield:

3 kV / 1.5 kV