

## High Level Line Input Transformer LL1579

LL1579 is a high impedance, high level line input transformer, pin compatible with LL1540 but with improved audio qualities..

The transformer consists of two coils, each with three sections (one primary and two internally connected secondary sections) separated by electrostatic shields. The core is a high permeability mu-metal core.

The transformer is housed in a mu-metal can.

Being a high impedance transformer, the LL1579 should normally be used in a series-series connection.

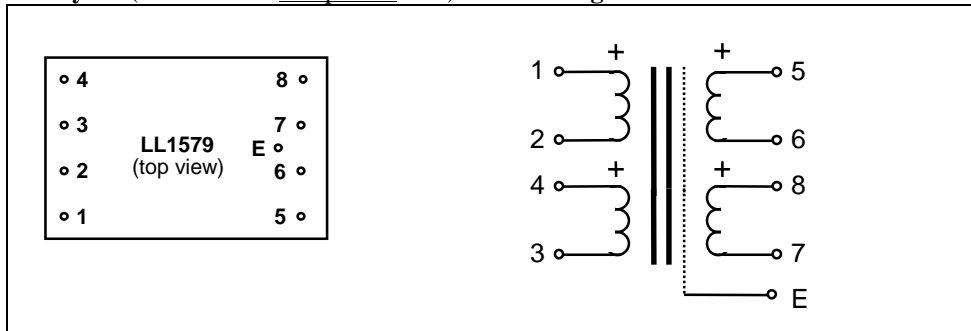
**Turns ratio:**

1 + 1 : 1 + 1

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

38 x 24 x 20.5

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



**Spacing between pins:**

5.08 mm (0.2")

**Spacing between rows of pins:**

27.94 mm (1.1")

**Offset of earth pin from adjacent row:**

2.54 mm (0.1")

**Weight:**

65 g

**Rec. PCB hole diameter:**

1.5 mm

**Static resistance of each primary:**

380Ω

**Static resistance of each secondary:**

380Ω

**Distortion (source impedance 600Ω):**

+ 22 dBU < 0.1% @ 50 Hz

+30 dBU < 1 % @ 50 Hz

> 120 kHz

**Self resonance point :**

**Recommended load for best square-wave response:**

22 kΩ in series with 1nF

**Frequency response @ 0 dBU (source 600Ω, load 100 k Ω )**

10 Hz -- 25 kHz +/- 0.5 dB

**Loss across transformer (at 1 kHz with above termination):**

0.8 dB

**Isolation between windings / between windings and shield:**

4 kV / 2 kV

**Suggested connections:**

