

AB LARS LUNDAHL

Tibeliusgatan 7
S-761 50 NORRTÄLJE
SWEDEN

Phone: Int. +46-176 139 30
Nat. 0176-139 30

Fax: Int. +46-176 139 35
Nat. 0176-139 35

Line Input Transformer LL6807

LL6807 is a small size, high impedance line input transformer.

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

Being a high impedance transformer, the LL6807 should normally be used with primaries connected in series. The transformer is housed in a mu-metal box.

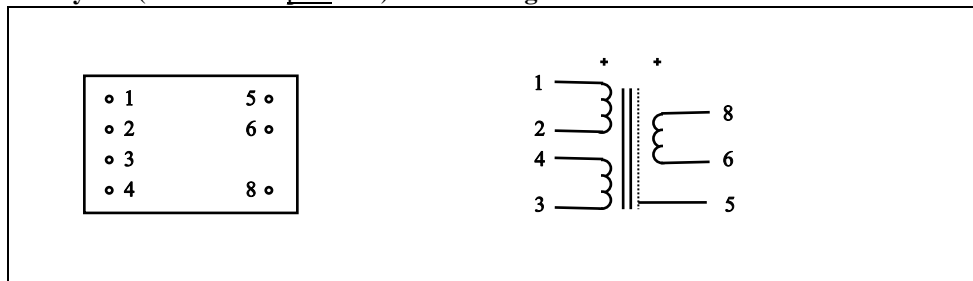
Turns ratio:

1 + 1 : 2

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

28 x 18 x 12

Pin layout (viewed from pins side) and winding schematics:



Spacing between pins:

3.81 mm (0.15")

Spacing between rows of pins:

20.32 mm (0.8")

Weight:

18 g

Rec. PCB hole diameter:

1.5 mm

Static resistance of each primary:

400Ω

Static resistance of secondary:

1.1 kΩ

Distortion (source impedance 600Ω):

+ 10 dBU < 0.2% @ 50 Hz

+ 17 dBU < 1 % @ 50 Hz

Self resonance point :

> 100 kHz

Frequency response (source 600Ω, load 33 kΩ):

15 Hz -- 25 kHz +/- 0.5 dB

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

0.5 dB

Isolation between windings/ between windings and shield:

3 kV / 1.5 kV

Recommended connection:

