

Moving Coil Input Transformer LL1681

The LL1681 is a large core moving coil input transformer with a mu-metal core.

The LL1681 consists of two coils, each with a two-sectioned primary winding and one high level secondary winding (with paper insulation) separated by electrostatic shields.

The transformer is magnetically shielded by a mu metal housing.

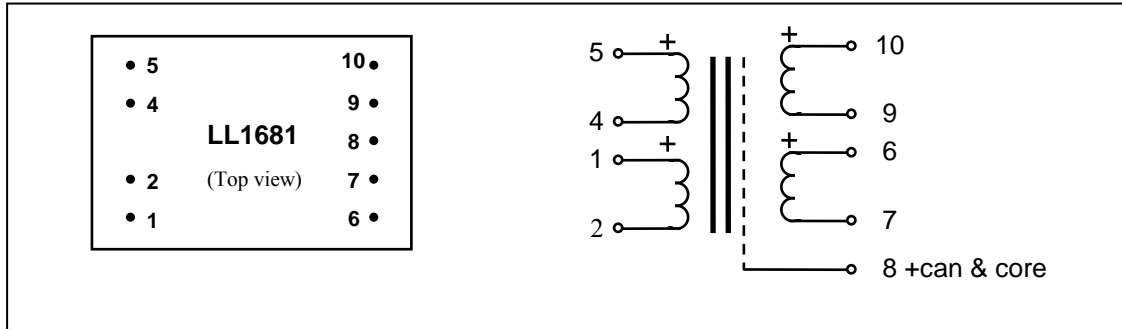
Turns ratio:

1 + 1 : 13 + 13

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

48 x 29 x 20

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



Spacing between pins:

5.08 mm (0.2")

Spacing between rows of pins:

35.56mm (1.4")

Weight:

90 g

Rec. PCB hole diameter:

1.5 mm

Static resistance of each primary:	4.8Ω
Static resistance of each secondary:	820Ω
Distortion (Transformer connected 1:26, source impedance 40Ω)	< 0.15% at -10 dBu, 50Hz (typically 0.1%)
	< 1% at +5 dBu, 50Hz
Frequency response, balanced input Transformer connected 1:13, source 40Ω, load 47kΩ secondary level 0 dBu	7Hz – 60 kHz +/- 1dB
Frequency response, Unbalanced input Transformer connected 1:13, source 40Ω, load 47 kΩ secondary level 0 dBu	7Hz – 55 kHz +/- 1dB
Isolation between primary and secondary windings/ between windings and shield:	4 kV / 2 kV

