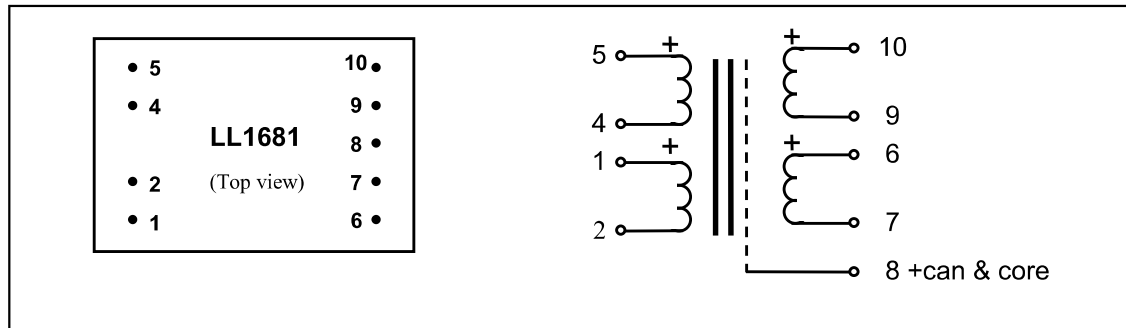


## Moving Coil Input Transformer LL1681

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

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

