

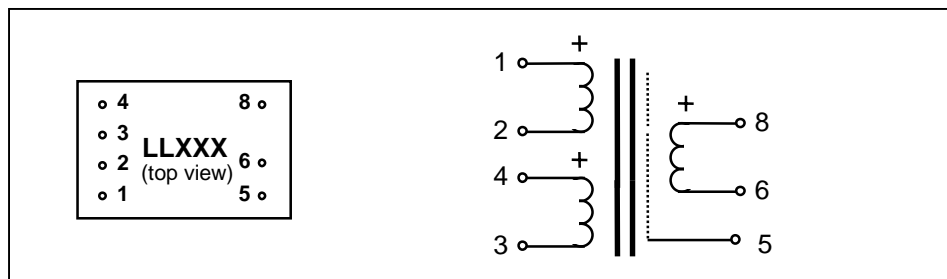
Avalon Microphone Input Transformers LLXXXX /ADXXXX

LLXXXX is a small size reduced cost microphone input transformer.

The transformers consist 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 amorphous strip core.

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

Turns ratio:	1 + 1 : 9
Dims (Length x Width x Height above PCB (mm)):	30 x 23 x 15
Pin layout (viewed from <u>component</u> side) and winding schematics:	



Spacing between pins:	5.08 mm (0.2")
Spacing between rows of pins:	22.86 mm (0.9")
Weight:	30 g
Rec. PCB hole diameter:	1.5 mm

Preliminary values!!!!

Static resistance of each primary:	11Ω
Static resistance of secondary:	600Ω
Distortion (primaries connected in series, source impedance 200Ω):	-4 dBU primary level, 50 Hz: 0.5 %THD
Self resonance point :	> 100 kHz
Frequency response (source 200, load 10 k)	10 Hz - 20 kHz +/- 0.5 dB (expected)

Isolation between windings/ between windings and shield: 3 kV / 1.5 kV