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– TRANSFORMERS –

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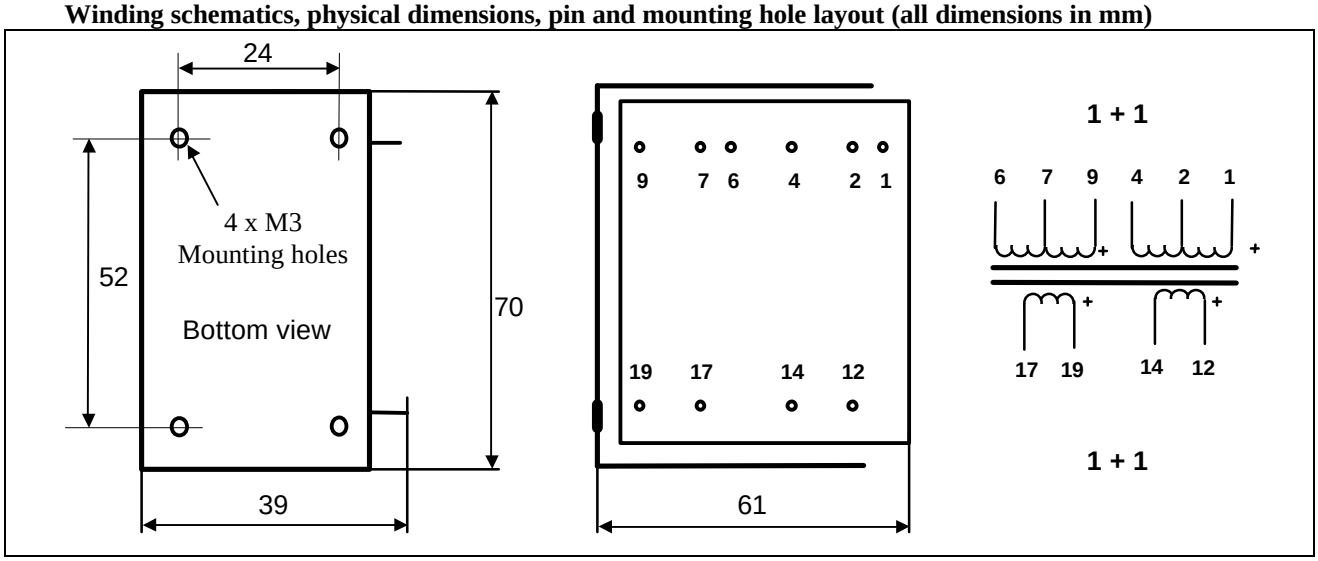
Tube Amplifier Interstage Transformer
LL1635

LL1635 is an interstage transformer for tube (valve) amplifiers available in Push-pull or Single-end versions. The transformer is highly sectioned, and wound with a special low capacitance winding technique which results in very good frequency response. The transformer has a special high flux, low distortion audio C-core of our own production. **NOTE:** LL1635 is not suitable for SE to PP interstage. For this application we suggest transformer LL1660 or LL1660S

Winding schematics, physical dimensions, pin and mounting hole layout (all dimensions in mm)



Weight	Turns ratio	Static resistance, each primary	Static resistance, each secondary
0.5 Kg	1+1 : 1+1	500 Ω	500 Ω

	LL1635 P-P	LL1635 /5mA	LL1635/20mA
Primary DC current, primaries in series (for B_0 = 0.9T)		5 mA	20 mA
Maximum DC current before saturation, primaries in series		9 mA	35 mA
Primary inductance (primaries in series)	> 300 H	130 H	30 H
Frequency response, primaries in series	5 Hz - 60 kHz	10 Hz -60 kHz	20 Hz -75 kHz
(Source 4 kΩ for PP and 5mA, 2 kΩ for 20 mA. Load 68 pF)	+/- 1 dB	+/- 1 dB	+/- 1 dB
Group delay @ 20 kHz (Source and load as above)	0.5µs	0.5µs	0.5µs
Max. output voltage @ 30 Hz	2x220 V peak (tot. 310Vrms)	2x90 V peak (tot. 125Vrms)	2x90 V peak (tot. 125Vrms)
Recommended max DC current through any primary section	40mA	40mA	40mA
Isolation between primary and secondary windings / between windings and core	4 kV / 2 kV	4 kV / 2 kV	4 kV / 2 kV

Application examples. Interstage transformer.