

Small Size Tube Amplifier Output Transformer LL2766

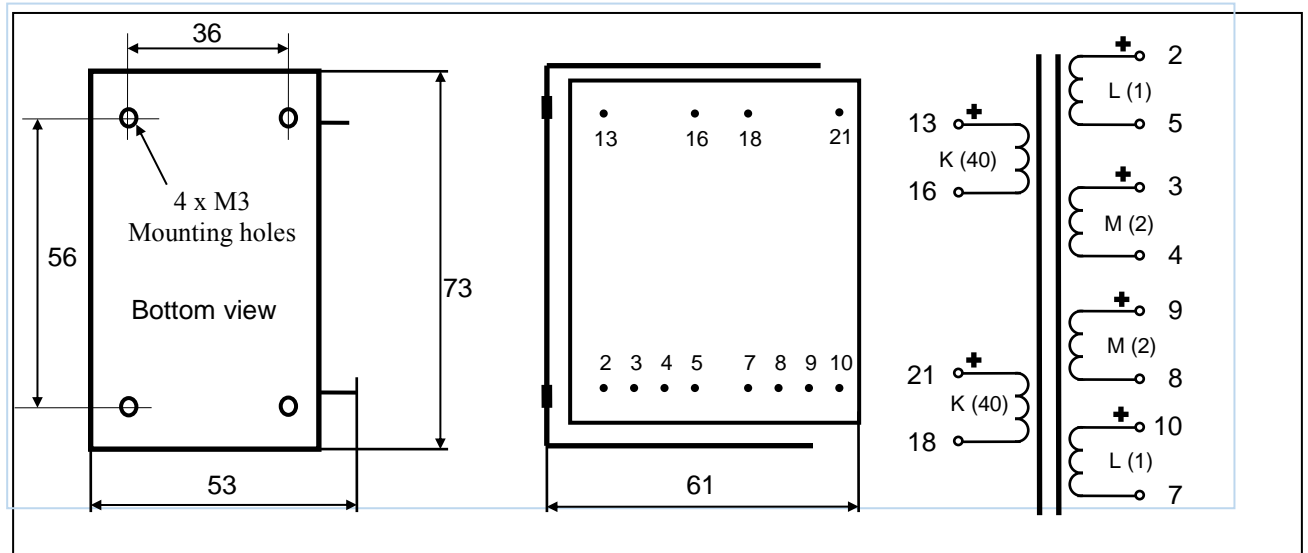
LL2766 is a small size power output transformer for tube amplifiers. The transformer is available with different core air gap for PP or SE drives.

The transformer has a special high flux, low distortion audio C-core of our own production.

The LL2766PP is assembled with a small core air gap to allow for some DC current unbalance.

For the S.E. versions of the LL2766, the core air gap is chosen such that the denoted DC current (50mA for a LL2766/50mA) generates a no signal core flux density of 0.9 Tesla when used with all primaries in series. This leaves a flux density swing of 0.7 T for the signal.

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



Weight	Turns ratio	Static resistance, winding M	Static resistance, winding L	Static resistance, winding K
0.75 Kg	40+40 : 2+2+1+1	0.3 Ω	0.6 Ω	140 Ω

Max. current through any primary (“K”) section (4 W heat dissipation):

120 mA

Isolation between primary and secondary windings / between windings and core:

4 kV / 2 kV

Approx primary impedance	Secondary impedance	Secondary connection	Actual turns ratio	Max output voltage RMS SE / PP
6k	4	A	79:2	3V / 7V
6k	8	B	79:3	4.5V / 10V
6k	16	C	79:4	6V / 14V
3k	4	B	79:3	4.5V / 10V
3k	8	C	79:4	6V / 14V
3k	16	D	79:6	9V / 20V

Type	Primary inductance	Primary magnetizing DC current for 0.9T	Max output power across 8 ohm @ 30Hz, Sec. connection B	Max output power across 8 ohm @30Hz, Sec. connection C
LL2766/PP	125H	-	12.5W	24W
LL2766/30mA	43H	30mA	2.5W	4W
LL2766/50mA	25H	50mA	2.5W	4W

R171130 PL



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