

Line Output Transformer LL2793NC

LL2793NC is a **nanocrystalline** C-core line output transformer for tube amplifiers. The transformer is available with different core air gap for PP or SE drives.

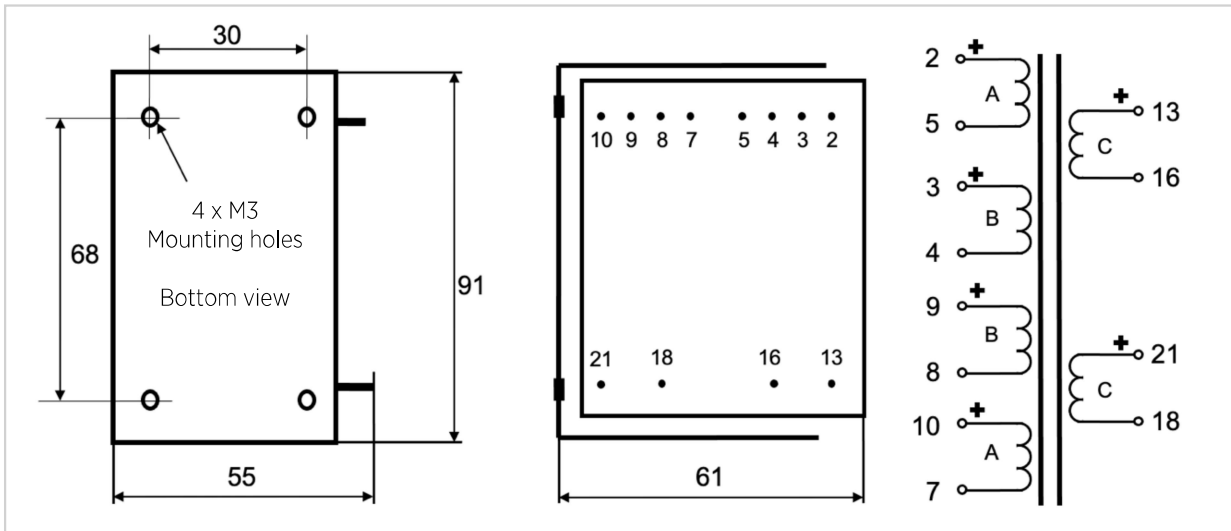
The transformer high impedance primaries are wound with a special low capacitance winding technique to achieve best high frequency performance.

The LL2793NCP is assembled with a small core air gap to allow for some DC current unbalance.

For the S.E. versions of the LL2793NC, the core air gap is chosen such that the denoted DC current (12mA for a LL2793NC/12mA) generates a no signal core flux density of 0.55 Tesla when used with all primaries in series.

This leaves a flux density swing of about 0.45 T for the signal.

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



Weight	Turns ratio	Static resistance, winding A	Static resistance, winding B	Static resistance, winding C
0.9 Kg	4+4 : 1+1+1+1	42Ω	34Ω	300 Ω

Max. DC current through primary ("C") sections (3W heat dissipation): 70 mA

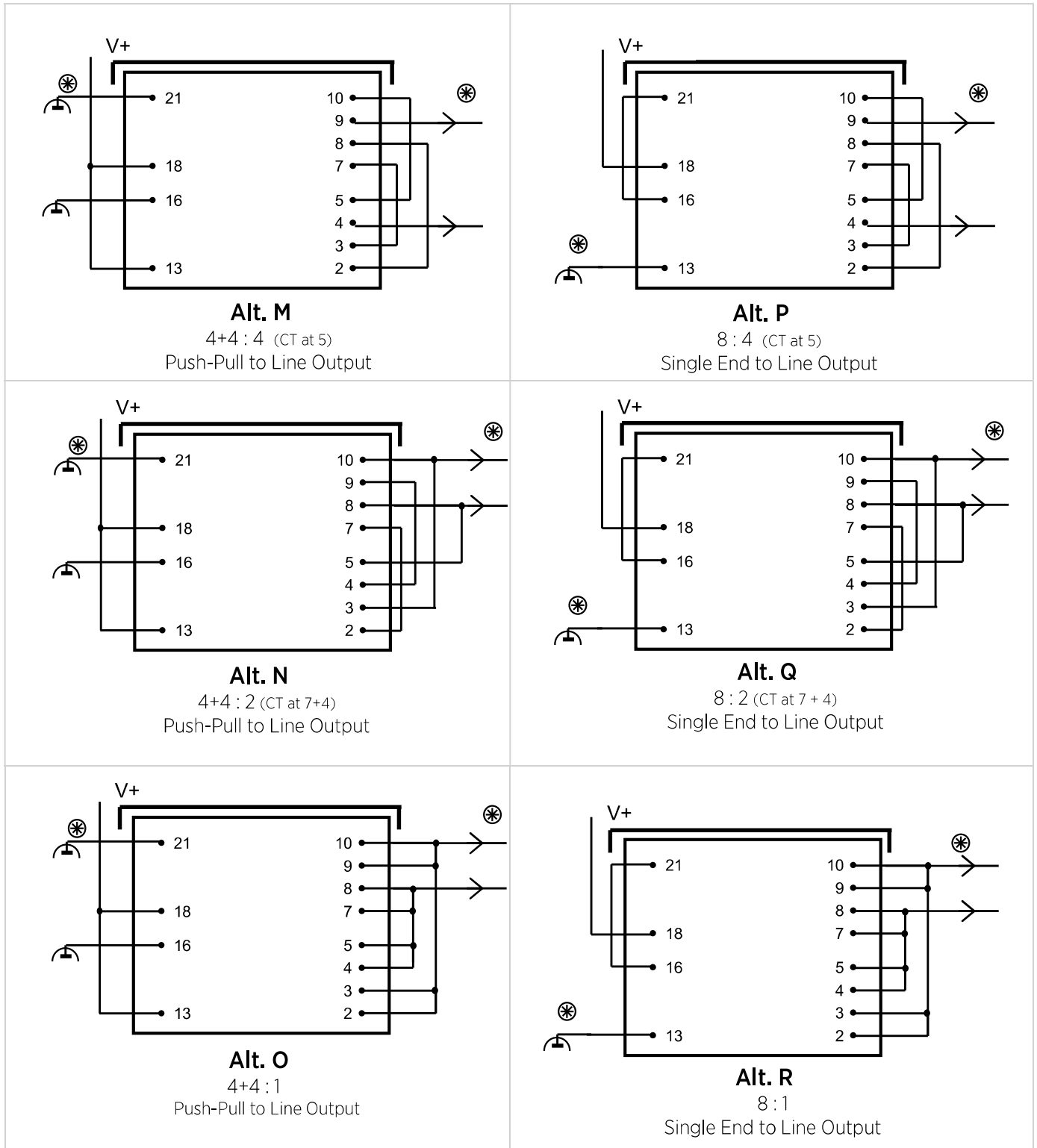
Isolation between primary and secondary windings / between windings and core: 4 kV / 2 kV

Applications

Type	LL2793NC/ 12mA	LL2793NC/ 12mA	LL2793NC/ 12mA
Connection	Alt P SE to Line Out. 8 : 4	Alt Q SE to Line Out. 8 : 2	Alt R SE to Line Out. 8 : 1
Primary DC current for 0.55 Tesla	12 mA	12 mA	12 mA
Primary Inductance (at operating point)	110H	110H	110H
Freq. Response (+/-1dB) Source impedance 3k Secondaries open	15 Hz - 30kHz (common ground ref.)	15 Hz - 30kHz (common ground ref.)	15 Hz - 30kHz (common ground ref.)
Max. primary signal voltage at 30 Hz	125V rms	125V rms	125V rms
Max sec. signal voltage @ 30 Hz	62 V r.m.s.	31 V r.m.s.	15 V r.m.s.

R210212 PL

Line Output Transformer LL2793NC Connection Alternatives



⊗ Phase Indicator