LUNDAHL
– TRANSFORMERS –

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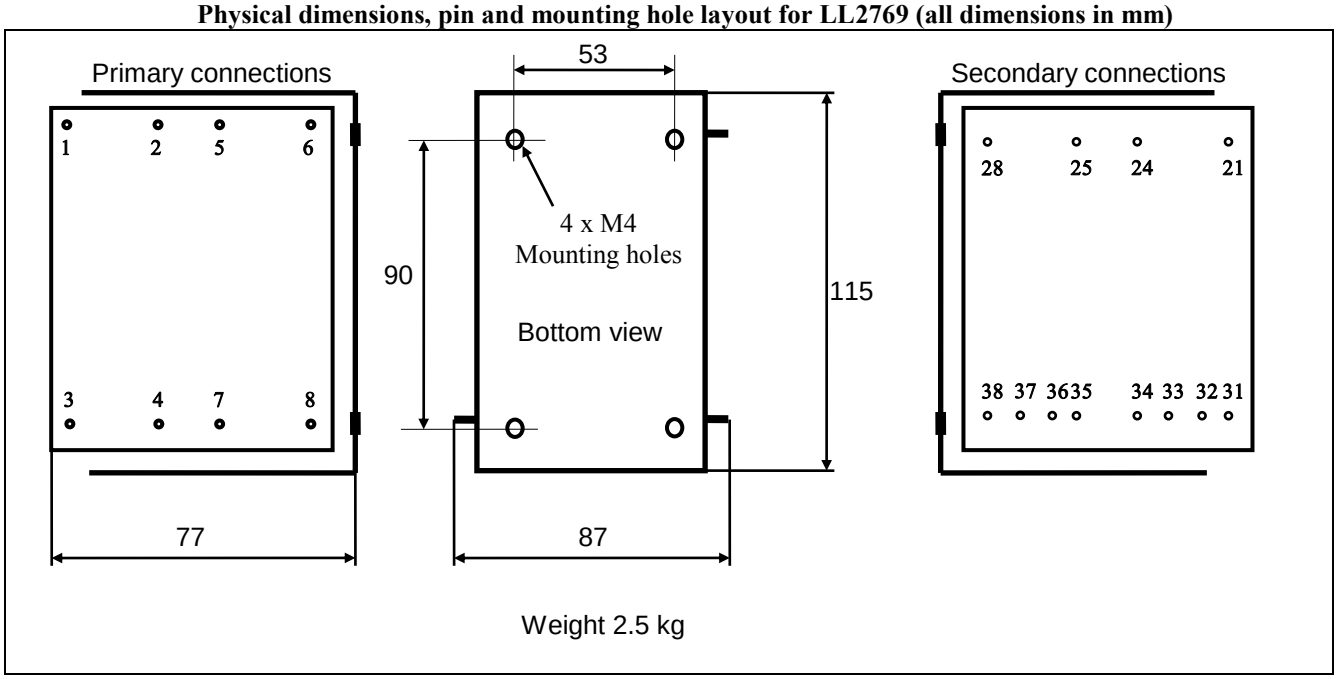
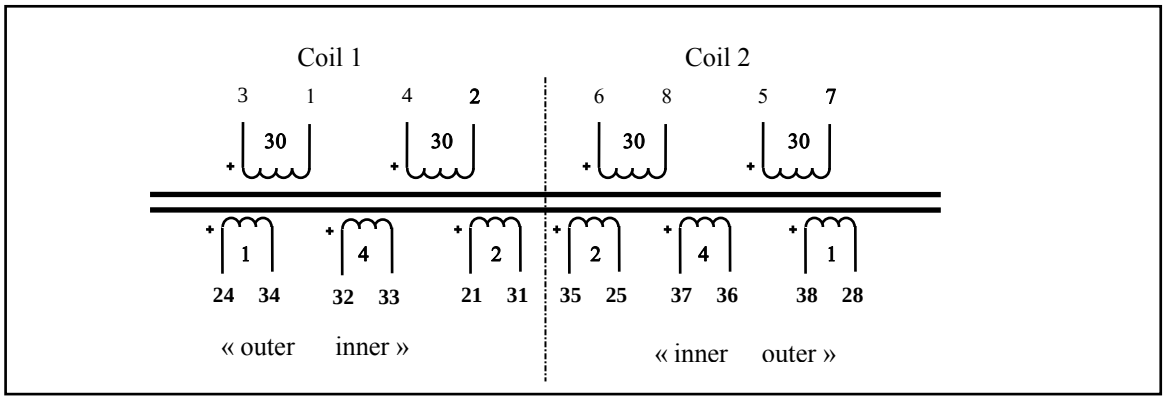
Tube Amplifier Output Transformer
LL2769 (4.7k : 5Ω and 4.7k : 8Ω

The LL2769 is a tube output transformer primarily for tubes like EL34, KT88, KT150. The transformer is built up from two coils, each consisting of 5 sections. The core is a high quality grain oriented silicon steel C-core from our own production.

Physical dimensions, pin and mounting hole layout for LL2769 (all dimensions in mm)



Winding schematics:



	LL2769	
Turns ratio (approx)	**4 x 30 : 2 x (4 + 2 + 1)**	
Static resistance of primary windings 4-2 and 6-8 / 3-1 and 5-7	50 Ω / 58 Ω	
Static resistance of secondary windings 21-31 and 35-15 / 32-33 and 37-37 / 24-34 and 38-18	0.7 Ω / 1.4 Ω /0.3 Ω	
Primary leakage inductance (all in series)	To be measured	
Max recommended primaryheating DC current (heat dissipation 7W)	180 mA	
Max. primary signal voltage r.m.s. at 30 Hz (all in series)	Push-Pull 690 V	Single End 305 V

R170619 PL

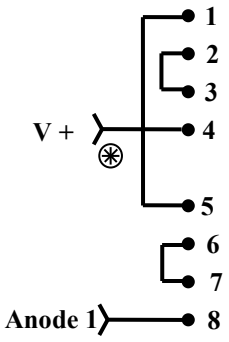
Electrical characteristics

Primary Load Impedance, Max power and power loss.

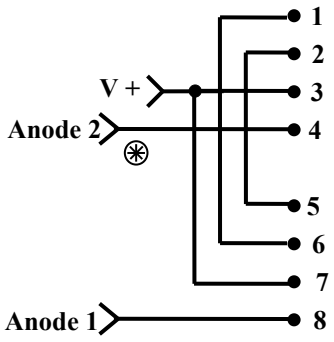
Primary DC Current Core Air-gap and Primary inductance

	LL2769/PP	
Core Airgap (delta/2)	25 µ	
Single end standing current for 0.9 Tesla (recommended operating point)		
Primary inductance	160 H	

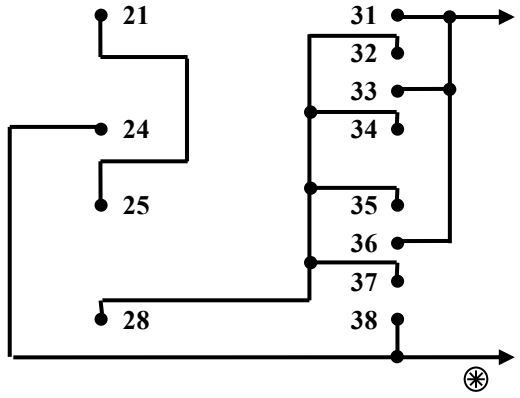
LL2769
Primary connection for Single-End output stage



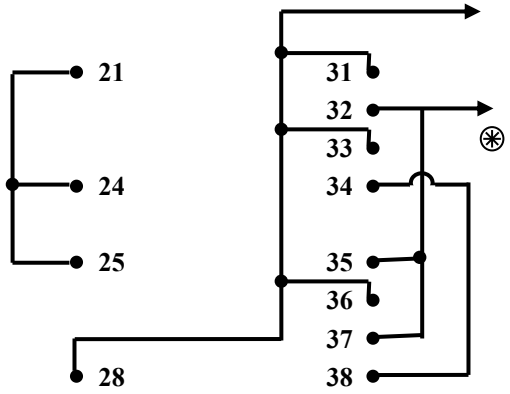
LL2769
Primary connection for Push-Pull output stage

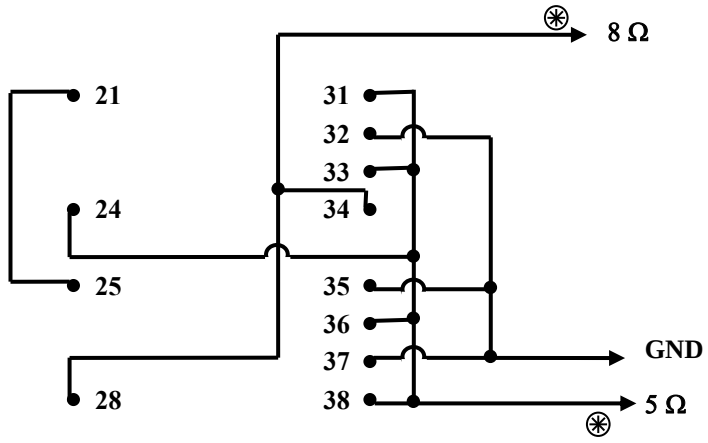


Secondary connection for 4.7k : 8 ohms



Secondary connection for 4.7k : 5 ohms





Tapped connection for 5 and 8 ohms
(suggested by Mr. Fujita of Elekit, Japan)