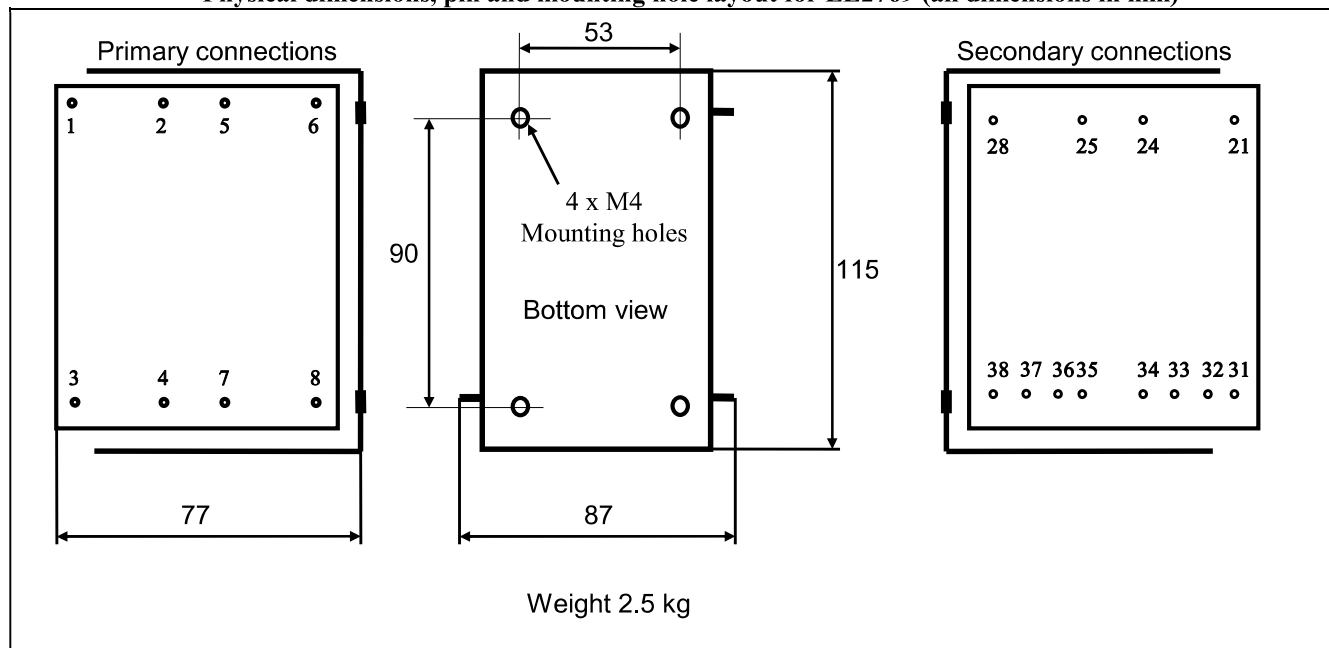


Tube Amplifier Output Transformer

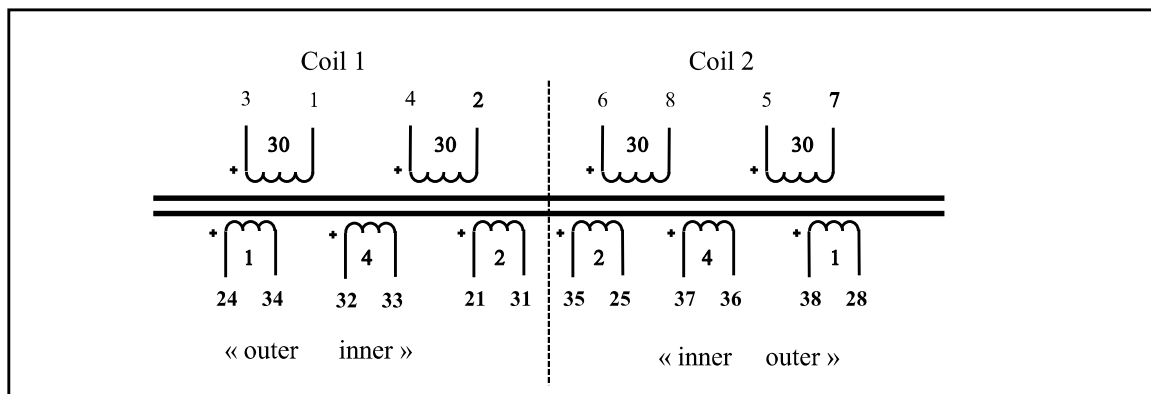
LL2769 (4.7k : 5Ω and 4.7k : 8Ω)

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 primary heating DC current (heat dissipation 7W)	180 mA
Max. primary <u>signal</u> voltage r.m.s. at 30 Hz (all in series)	Push-Pull 690 V Single End 305 V

Electrical characteristics

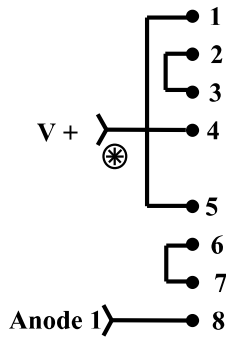
Primary Load Impedance, Max power and power loss.

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	

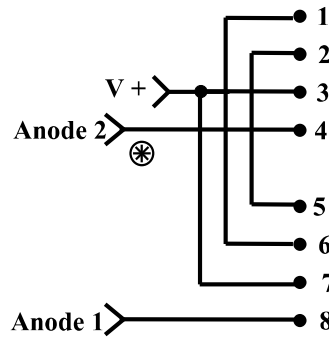
LL2769

Primary connection for Single-End output stage

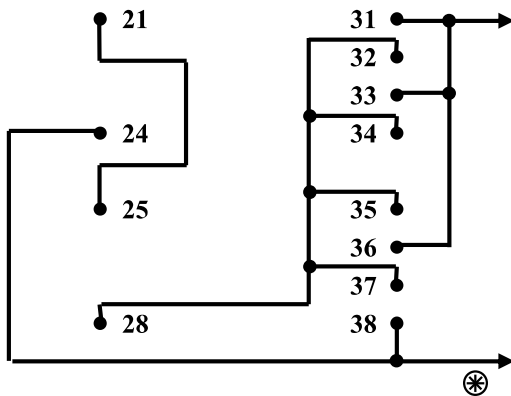


LL2769

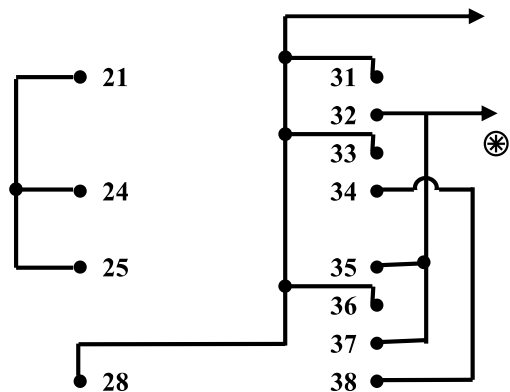
Primary connection for Push-Pull output stage

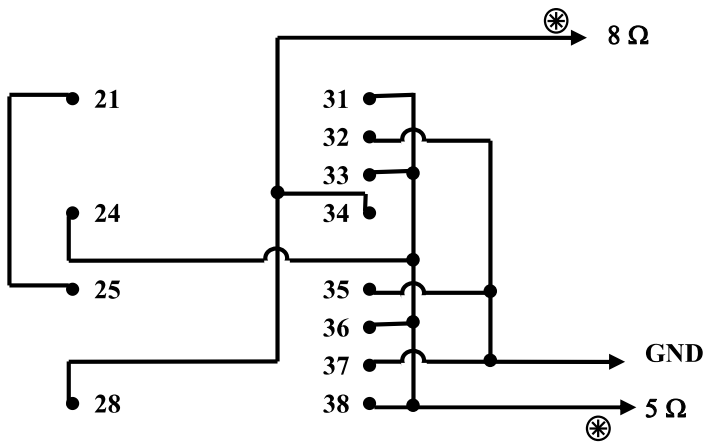


Secondary connection for 4.7k : 8 ohms



Secondary connection for 4.7k : 5 ohms





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