

## FILTER COMPONENTS

C5 and C8: two polarized capacitors connected in series, plus to plus. 2200uF = Nichicon RNL1C222MDS1PH - 470uF = Panasonic EEU-FR1V471 1500uF = Nichicon RNL1C152MDS1PH - 1800uF = Nichicon RNL1C182MDS1PH

Coils: Mundorf F2625, L2510 and L3020 body fits on the PCB.

2L0 > 8

1H0 > 6

GND >

VS2 >

GND >

GND >

1L0 > 3

Basic tube heating config (<1.5A): L1 = Mundorf BL71 0.1mH 0R23 - C8/C5: 2200uF (962uF) - f: 510Hz For 5U4G (3A): L1 = Mundorf BL100 0.27mH 0R23 - C8/C5: 1800uF (892uF) - f: 320Hz

GND

GND

GND IFB

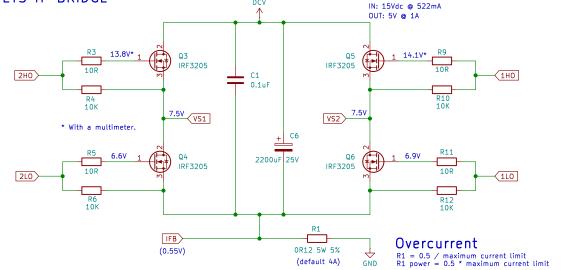
1H0

VS2

(1L0

## Direct heated triodes config (up to 1.5A)

For 300B (1.1A): L1 = Mundorf (B)H71 3.3mH 0R50 - C8/C5: 470uF (260uF) - f 170Hz For 300B (1.1A): L1 = Mundorf (B)H71 1.2mH 0R25 - C8/C5: 1500uF (720uF) - f 170Hz



No load consumption: 45-110mA SNR: 64dB with 3.3mH coil. Distorsion: <1% By stef Sheet: / File: LVPS-DC-AC-Inverter-EGS.kicad sch Title: LVPS DC-AC 4V-8V 50Hz Inverter

R7 430

Rev: 1.0.4

Size: A4 Date: 2025-03-18

KiCad E.D.A. 8.0.8 ld: 1/1