

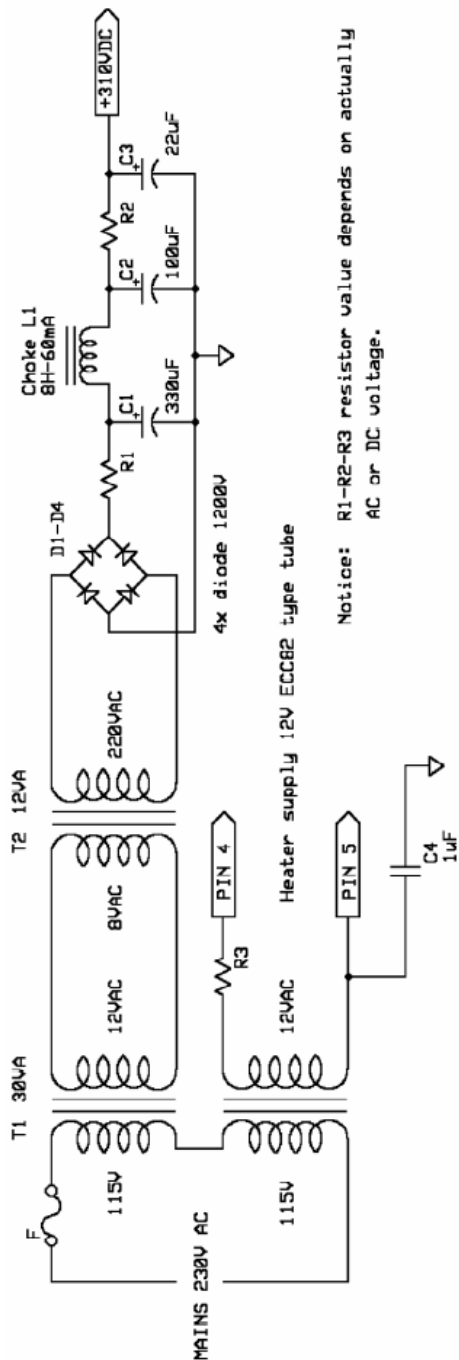
Tube alternatives for driver circuit

Tube	R anode [R4] gnd cathode amp	R cathode [R5] gnd cathode amp	R cathode [R6] cathode follower	Gain
ECC82	150K	4K7	27K	21 dB
5963	150K	4K7	27K	20 dB
5965	100K	909 ohm	27K	30 dB
5965 10 dB feedback	100K	909 ohm	27K	20 dB
ECC88	150K	2K7	27K	27 dB
6N1P	150K	1K8	27K	28 dB

Driver circuit voltages *

Tube	U psu main DC power supply	U anode [R4] gnd cathode amp	U cathode [R5] gnd cathode amp	U cathode [R6] cathode follower
ECC82	317 V	118 V	6.1 V	126 V
5963	317 V	124 V	6.0 V	131 V
5965	310 V	104 V	1.9 V	109 V
ECC88	317 V	114 V	3.7 V	117 V
6N1P	306 V	118 V	2.3 V	120 V

* notice: actually measured values related to ground,
all measurements approx. values; depends on varieties in tubes and power supply components



TR1: pri: 230VAC; sek: 2 x 12VAC; between 36-50VA- I have 50VA RKT on Hand.

TR2: BACKWARD! Pri: 9VAC; sek: 230VAC- gives ~ 300HV on Plate.

I have also tested 12V=12V coupling- gives ~ 250HV on Plate needs readjust Rp and Rk!

Choke: is HMD 156L 5H, 75mA

C3: PP Foil 400V