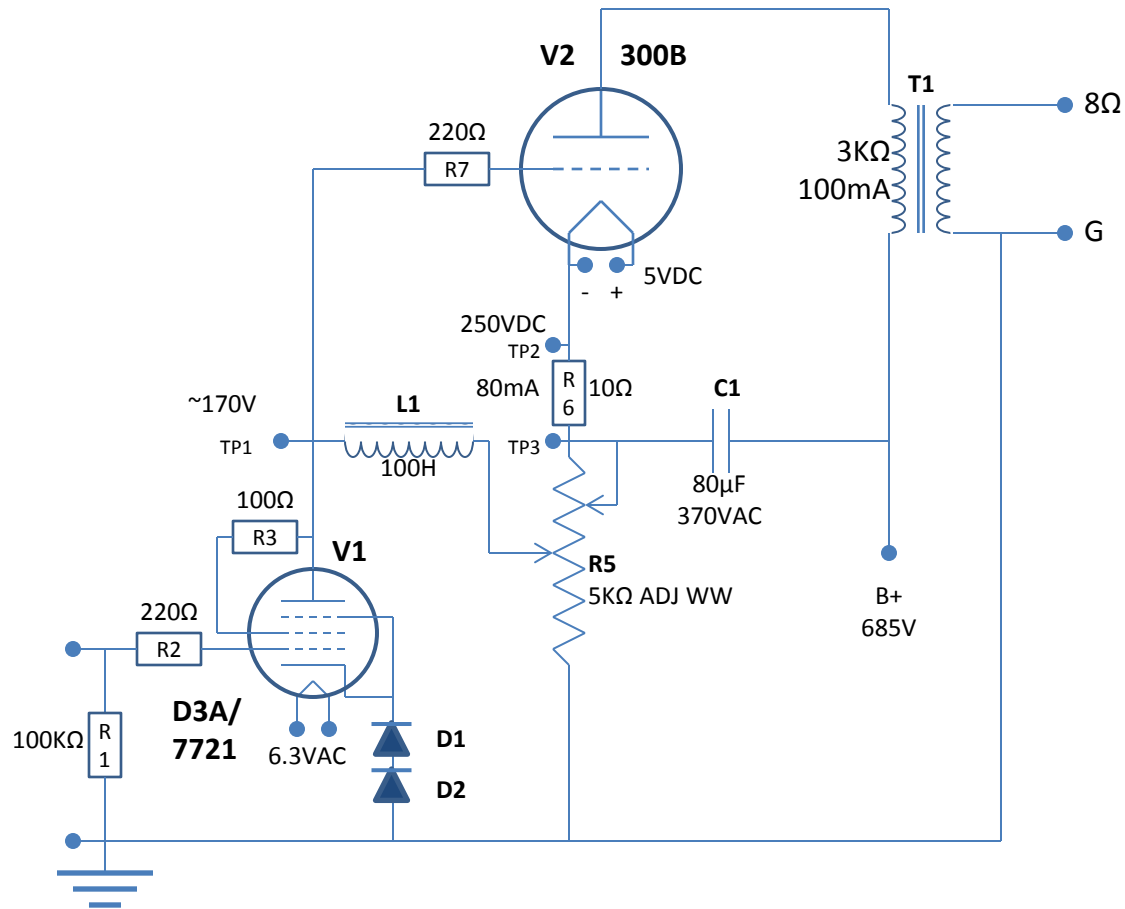


D3A/300B DRD SET Amplifier

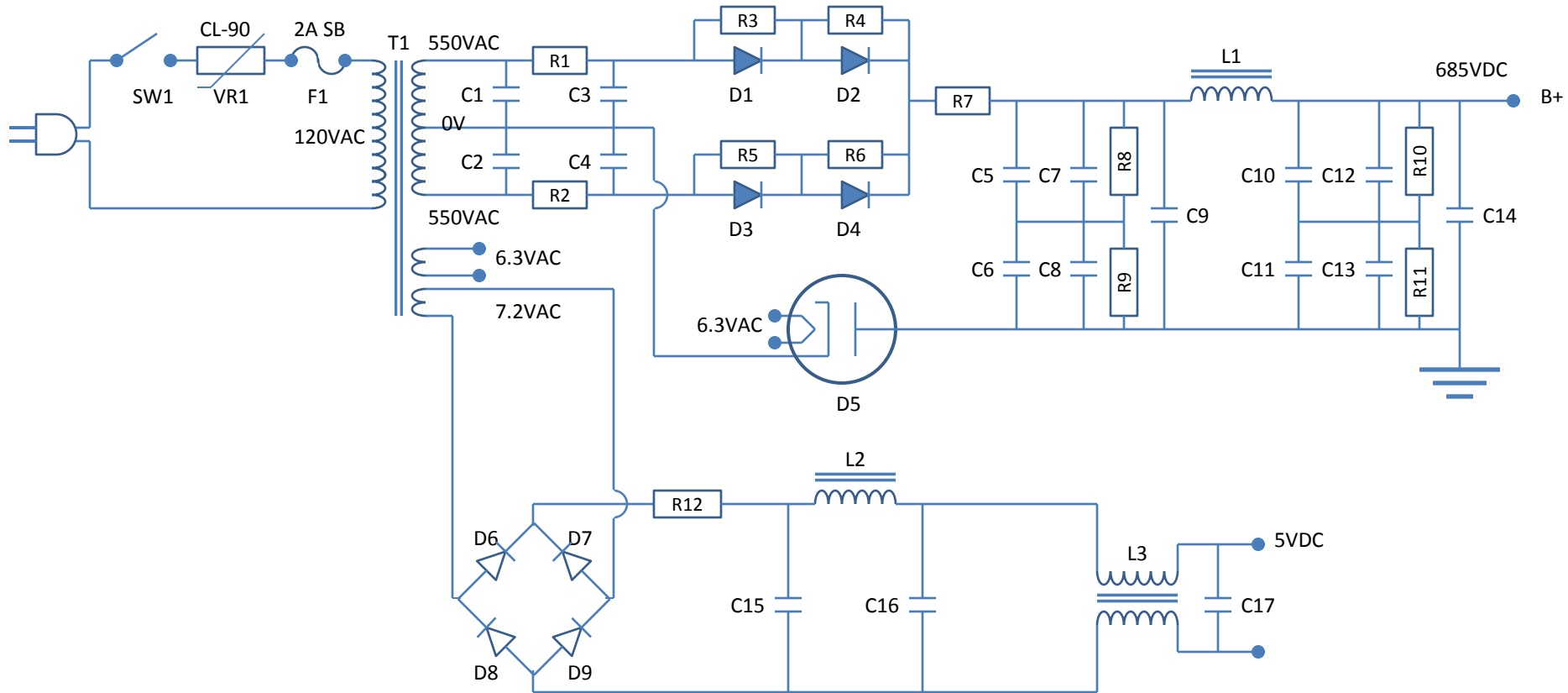


R1 – 47KΩ 1/2W as alternative
 R2 – 220Ω to 1KΩ 1/2W CC
 R3 – 100Ω 1/2W CC
 R4 – Not Used
 R5 – 5KΩ 50W ADJ WW w/added tap
 R6 – 10Ω 1% (MILLS 5W WW)
 R7 – 220Ω to 1KΩ 1/2W CC

D1,D2 – 600V SiC diodes
 C1 – 80uF/370VAC CSC Motor Run PPIO + 1
 uF/1200VDC Mundorf PPSIO + 0.015uF
 nuded/tapewound epoxy filled Russian Teflon.
 V1 – Shuguang Black Treasure 300B-Z
 V2 – Siemens D3APentode

L1 – Magnaquest EXO-01 100H/20mA choke
 T1 – Electraprint 3KΩ/100mA, 8Ω output transformer
 Note 1 – Ferrite beads on all pins on V1 without stoppers
 Note 2 – Adjust taps on R5 for 80mA current (measured
 across TP2/GRD) and 170V at plate of V1 (TP1).

D3A/300B DRD SET Amplifier – Power Supply



R1, R2 – 10Ω, 3W WW
 R3-R6 – 1MΩ, 1/2W
 R7 – 2.7Ω, 1W CC
 R8-R11 – 220KΩ, 1/2W
 R12 – 0.22Ω, 5W WW

VR1 – Thermistor, CL-90
 F1 – Fuse, 2A Slow-Blow

C1, C2 – 0.22μF, 1600VDC PP
 C3, C4 – 0.01μF, 2000VDC Ceramic
 C5-C8 – 100μF, 450V Nichicon PW Electrolytic
 C9, C14 – 0.22μF, 1000V K40Y PIO
 C10-C13 – 470μF, 400V Panasonic TSUB EL
 C15-C17 – 10,000μF, 16V Electrolytic

T1 – Ecor XPWR153-120, 1100VCT@200mA,
 7.2V@3A, 6.3V@2A Power Transformer
 L1 – 10H, 200mA Choke
 L2 – 32mH, 2A Choke
 L3 – 16mA, 2A Common Mode Choke
 D1-D4 – UF4007
 D5 – 6AU4GTA
 D6-D9 – 1N5422