IMPROVED DUAL ADJUSTABLE BIAS FOR ORIGINAL HIWATT DR103 35VAC TRANNY WINDING (QUAD EL34)

DATED 01-05-2020 REV.0 BY RENÉ MIKKERS
DATED 08-09-2020 REV.1 220mF capacitor minus connection moved from term 5 to term 6
DATED 25-09-2020 REV.2 OUTPUT VALVE NUMBERS RENAMED

ALSO USE PHYSICAL WIRING DIAGRAM BY MARK HUSS AS REF. DRAWING

Labels in diagram:

HT SEC
V8-5
BIAS WINDING
V7-5
VR1 25K Lin
VR2 25K Lin
BIAS WINDING
V6-5
FROM NFB POINT
TO OUTPUT XFMR 16 OHM TAP
V5-5
GND
22K
100K
22K
22K
22K
100K
22K
220K
220K
10nF
470Ω
10K
GND
TO H.T. FUSE
UF5408
UF5408
UF5408
UF5408
TO STANDBY SW
PRE-AMP OUT 1
5W 100Ω
1N4007
1N4007
100V 220uF
100V 220uF
68K
68K
to Cap of 50 uF 500V
H.T.3 - TO PREAMP
and to Cap of 50 uF 500V
H.T.2 - TO SCREENS
1K
10W 470Ω
PRE-AMP OUT 2