DENTRON MLA2500

HF Amplifier

With GI-7B Tube Conversion

W4ZT 7/2007

With Suggestions from W4EMF, K4POZ and others

V1 GI7B
V2 GI7B
RFC5
RFC6
RFC2
RFC1
RFC3
RFC4
RFC7
C5
C6
C7
C8
C9
C10
C12
C13
C14
C15
C22 47pF
C23 47pF
C24 .01uF
C25 .01uF
C38
C39
C40
C41
C42
C45
C46
C47
C48
C49
L1
L2
L3
R2 Change to 25 OHMS 50W
R3
R4 100K 2W
R5
R6
R7
R8 47K 2W
R9 380 25W
R10 ALC ADJUST
R11
R12
R19 330
SW1
SW2
SW3 Thermal Switch
SW4
SW5 1
SW5 2
SW5 3
10M
160M
RLY1
RLY2
RLY3
FB1
F1
F2
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D16
D17
PC1001
PC1002
PC1003
PC1004
J1 RF OUT
J2 RF IN
J3 RELAY
J4 ALC
M1
M2
X1
X2
X3
X4
X5
X6
.02uF
.01uF
.1uF
C16-21 add two
8 x 1N5408
8 x 100K 3W MOF
Filament Choke Added
RFC4 Moved from ALC Board
Remove RFC4
3 x 1M 2W
3 x 6A10
1K
Ip Cal Added
Ip Shunt Added
Ig Shunt
Ig Cal Added
SH1
12.6V
120V
T1
120V BL
RED
800V
RED
BRN
12.6V
BRN
YEL
6.3V
YEL
BL
WH / BK
WH
RED / BL
BL
WH
GRN
BK
AC LINE
Harbach SS100 Step Start
C,D
A,B
RED
FAN 1
R-delay
BIAS BOARD or Zener diode
RD
BK
STAND BY
CONT DUTY
PLATE VOLT
PLATE CURRENT
GRID CURRENT
120V
220V