

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A

A

B

B

C

C

D

D

E

E

F

F

G

G

H

H

I

I

J

J

1 2 3 4 5 6 7 8 9 10 11 12 13 14

RF INPUT

10 Watt



Tr1
Material Amidon BN 43-202
1- 2 = 2 Turns 0.8 mm CuL
3-4 0.5 = Turn 1 mm CuL
5-6 0.5 = Turn 1 mm CuL

1
2

47n
C5
47n
C6
6
C7
47n
47n
C8

4,5

10R
R9
10R
R10
1k
R11

100k
R7
100k
R8

1k
R3
100n
C9

100n
C11

47n
C14
47n
C15

56R
R13

2 W

RD100HFF1
T2

47n
C12
47n
C13

56R
R12

2 W

RD100HFF1
T1

1000P
C16
1000P
C19
1000p
C20

1000P
C17
1000p
C22
1000p
C21
800p
C26

1000p
C18
1000p
C23
1000p
C24

1μ
C25
1μ
C27

150P 500V
C31

100n
C28
100n
C29
1μ
C30
100n
C32

33E
R14
33E
R15
33E
R16

35μH
DR1

1μ
C34
1μ
C35

1000μ
C33

D3

RF OUTPUT

100 Watt



VTX Bias 8-15 V

C1
100n

VR1

78L05

C2
100n

D1 1N1004

D2 1N1004

Mounted on to heat sink near T1 & T2

Mounted on to heat sink near T1 & T2

100n
C3

2k7
R1

10k
P1

Bias adjust T1

10k
P2

Bias adjust T2

Änderungen

Datum

Name

Bezeichnung:

DK4DDS

Blatt

Datum

Name

gez.:

12-02-2011

Marc van Stralen

100 Watt Mosfet PA with 2 x RD100HFF1 for SDR ONE

1.

gepr.:

Norm:

Zeichnungs-Nr.:

von

1.