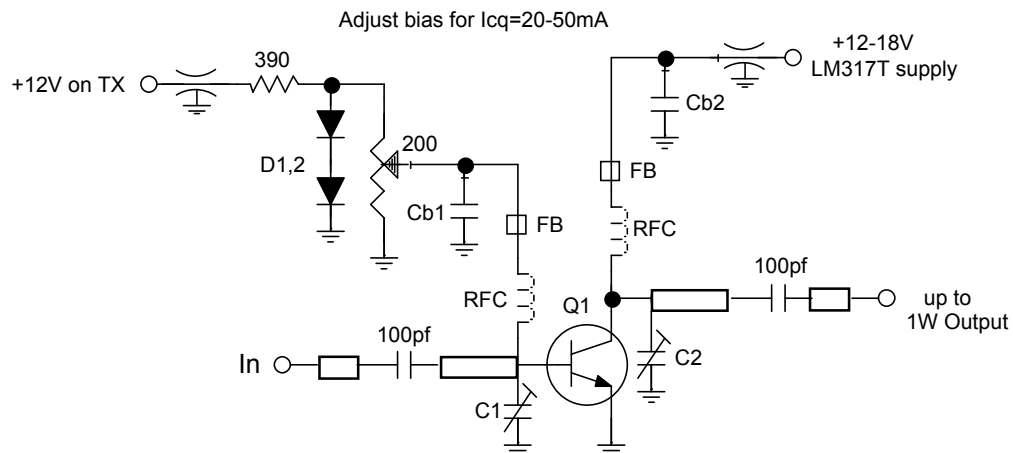
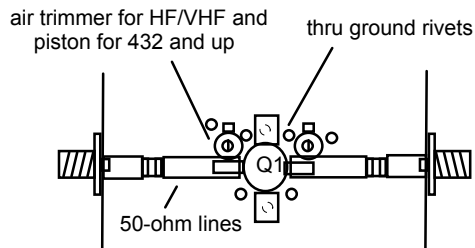


28-1296 MHz Linear Gain Blocks WA3JUF 1987

Gain: 28 = 18 dB
50 = 18 dB
144 = 18 dB
220 = 17 dB
432 = 15 dB
903 = 13 dB
1296 = 10 dB



Q1 - SD1520, SD1598
C1 - (28) 20-30pf
C1 - (50-432) 10-20pf (903-1296) 2-6pf
C2 - (50-432) 10-20pf (903-1296) not used
Cb1 - 100pf chip + .001ufd + .01ufd
Cb2 - 100pf chip + .01ufd + 1ufd tant
D1,2 - 1N4001 glued to lid of Q1
RFC - (28) 14t #24 on T50-2 core
RFC - (50) 12t #28, 0.1" ID or Z-50
RFC - (144-432) 12t, #24, 0.1" ID
RFC - (903) 8t, #24, 0.1" ID
RFC - (1296) 6t, #24, 0.1" ID



SMA connectors soldered to both sides of the PC board, which can be part of the box.

Cascade no more than 2 stages in one box.

The SD1520, SD1598 is like a UHF version of a 2N3866 in a stripline package.