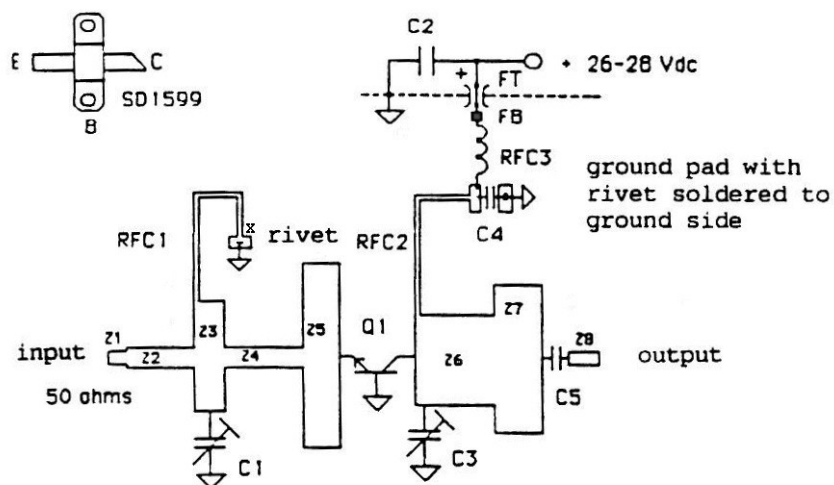


1296 MHz Amplifier

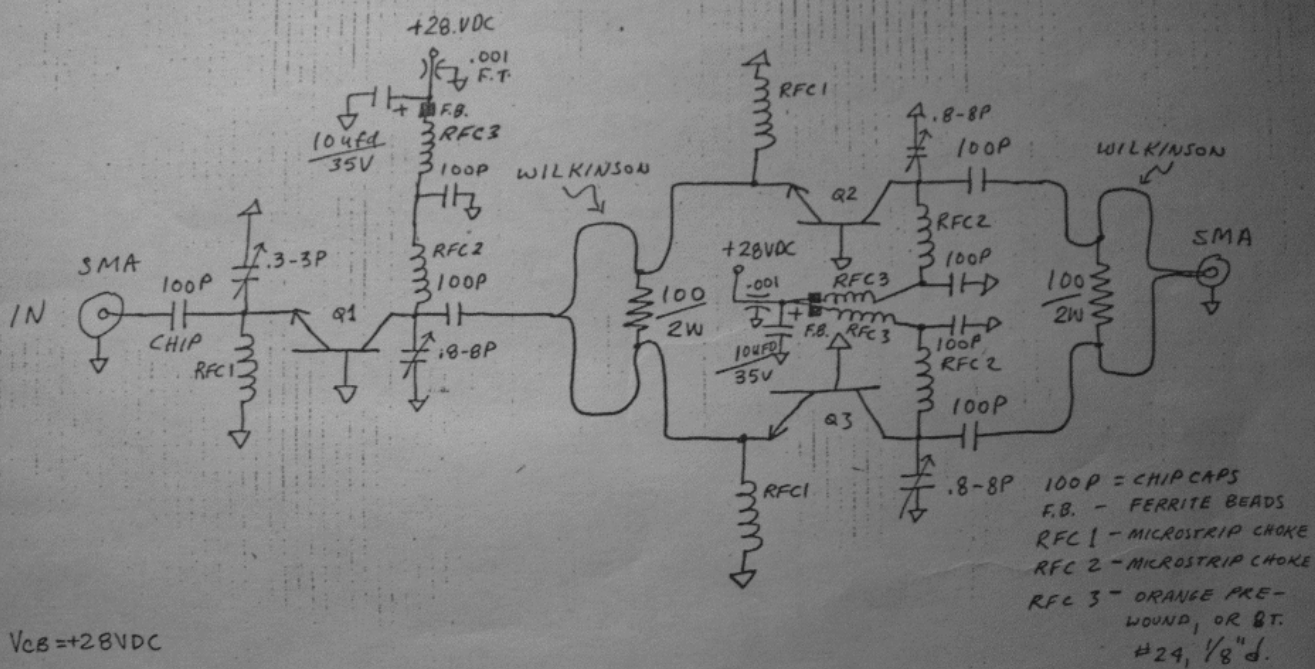


Q1 - Thomson CSF SD1599
Board - 1/16" G-10
RFC1,2 - 0.030 x 1.5" chokes
RFC3 - 8 turns #28 on 0.1"
C1 - 3pF Johanson Piston
C2 - 10uF/35VDC
C3 - 6pF Johanson Piston
C4,C5 - 100pF chip cap.
FT - 1nF Feedthru

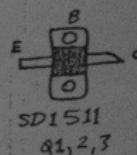
FB - Ferrite Bead
Z1,8 - 0.11" wide 50ohms
Z2 - 0.11" x 0.30"
Z3 - 0.20" x 0.60"
Z4 - 0.15" x 0.45"
Z5 - 0.20" x 1.00"
Z6 - 0.50" x 0.60"
Z7 - 0.50" x 1.00"
cut trace at X to use CB bias source

W3KM 1981

1.3 GHz RF AMPLIFIER
USING COMBINED SDISK'S

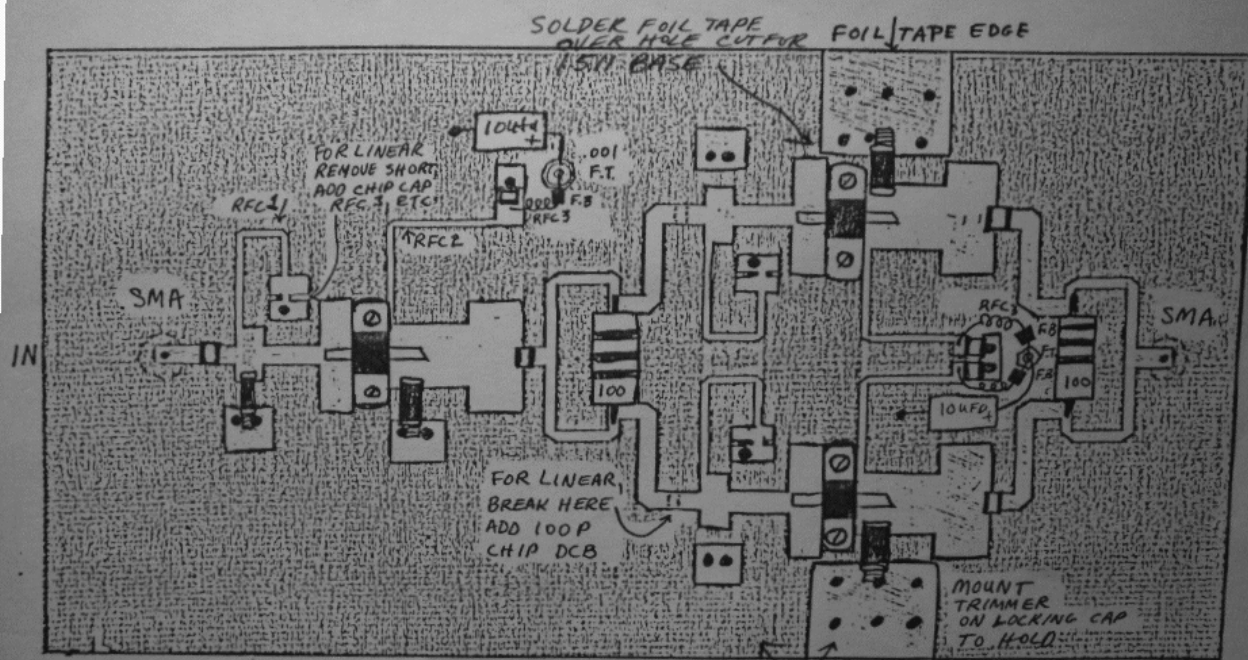

$$V_{CB} = +28VDC$$
$$I_{CT} = 2.5 \text{ AMPS}$$

P.O. ≈ 20 WATTS CW

$$\text{MAX } P_{IN} = 0.75 \text{ W}$$


WA3JUF 1982

1.3 GHz. 2 STAGE SDISII AMP.



RFC = ORANGE PREWOUND OR BT #24, 1/8" d. CLOSE SPACED.

● = RIVETS THRU TO GROUND PLANE

□ CHIP CAPS 100-200PF (NOT CRITICAL).

BALANCING RESISTORS ARE 100Ω/2WATT

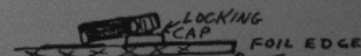
MOUNTED IN HOLE IN BOARD, NO LEADS, EXCEPT TO SOLDER.

BOARD IS DOUBLE SIDED 1/16" G-10

TRIMMER UP FOR EASIER

TUNING, ALSO LOW INDUCTANCE

PATH TO GROUND



WA3JUF 3/82

