

5 Watt Transmitter Construction Checklist

Insert and solder the following resistors/jumpers/inductors :

- Insert R1 680 ohms (blue grey brown), (R1 could also be 10K, see circuit iscription)
- Insert R2 15 K ohms (brown green orange)
- Insert R3 10 K ohms (brown black orange)
- Insert R6 68 K ohms (blue grey orange)
- Insert R7 68 K ohms (blue grey orange)
- Insert R8 68 K ohms (blue grey orange)
- Insert R9 150 ohms (brown green brown)
- Insert R10 22 K ohms (red red orange)
- Insert R11 1 K ohms (brown black red)
- Insert R12 110 ohms 1 Watt (brown brown brown)
- Insert R13 56 ohms (green blue black)
- Insert the inductor L6 (molded choke)
- Insert the jumper as shown.

Insert and solder the following capacitors :

- Insert C1 marked .005 or 502
- Insert C2 marked 1uf, note correct polarity
- Insert C3 12 pf, marked 12
- Insert C4 12 pf, marked 12
- Insert C8 12 pf, marked 12
- Insert C7 .1uf disc, marked .1
- Insert C13 .1uf disk, marked .1
- Insert C14 1000pf disk, marked .001 or 102
- Insert C15 1000pf disk, marked .001 or 102
- Insert C6 marked 22 or 47 uf, note correct polarity
- Insert C16 marked 22 or 47 uf, note correct polarity

Insert and solder the following variable capacitors :

- Insert C5 3-30pf trimmer capacitor
- Insert C9 9-50pf trimmer capacitor
- Insert C10 9-50pf trimmer capacitor
- Insert C11 16-100pf trimmer capacitor
- Insert C12 16-100pf trimmer capacitor

Insert and solder the following variable resistors:

- Insert R5 500 ohm variable resistor
- Insert R4 100 K ohm variable resistor

Insert and solder the following semiconductors :

- Insert and solder D1, 9.2v Zener diode. Band pointing at the center of the board.
- Insert and solder D2, MV2113 varicap tuning diode. Flat side pointing away from the center of the board.