



**RX BANDPASS FILTERS**  
 80m  
 INDUCTORS 2x AMDON T50-2 28 windings wire 0.4mm  
 COUPLING WINDING = 4 windings wire 0.7mm  
 CAPACITORS  
 20m  
 INDUCTORS  
 COUPLING WINDING = 2 windings wire 0.7mm  
 CAPACITORS  
 C1 = C-TRIMMER 40pF + 88pF fx parallel  
 C2 = 3.9pF

**IF PRE-AMP & IF MUTE**

**AGC AMP**  
 AGC GAIN  
 AGC DECAY  
 AGC LINE  
 IF GAIN  
 S-METER  
 NOT INSTALLED  
 CW Filter  
 SSB Filter  
 9 MHz CRYSTAL FILTER  
 SHIELD

**VFO**  
 SHIELD  
 5.0-5.5 MHz  
 TX OSC 9 MHz VFO TUNING

**RX MUTE**  
 keying line  
 PRE-FILTER  
 AF PRE-AMP  
 7dBm MIXER  
 CW FILTER  
 Filter AF Level  
 AF GAIN  
 SIDETONE GEN.  
 HEADPHONES HIGH IMPEDANCE  
 SPEAKER 8 OHM OR HEADPHONES  
 MORSE KEY

CALCULATE VFO RESONANT CIRCUIT PARTS  
 FOR 5.0 - 5.5 MHz C = 350 pF L = 3μH  
 n1/n2 = 5/1  
 THIS DEPENDS ON AVAILABLE VARIABLE (Cv)

**TX LOW PASS FILTERS**  
 80m  
 INDUCTORS 2x AMDON T68-2 21 windings wire 0.7mm  
 CAPACITORS C8 = 910 pF C9 = 1.8 nF C10 = 910 pF  
 20m  
 INDUCTORS 2x AMDON T50-6 11 windings wire 0.4mm  
 CAPACITORS C5 = 220 pF C6 = 470 pF C7 = 220 pF

# QRP CW TRANSCEIVER ZB-2

3.5 & 14 MHz IMAGING TRX

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