

Notes

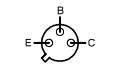
Gain 30dB from 1.8 - 50 MHz  
 Rv1 provides gain reduction of up to 10dB

T1 FT37-43 core, 10 turns bifilar wound  
 L1 FT50-43 core, 6 turns 0.8mm wire

2N3866 requires heatsink

Based on design from EMRFD page 2.32 with changes by GM4EVS  
 to provide 50 Ohm input impedance for better filter matching.  
 Used with permission from ARRL

C1 is select on test for improved higher  
 frequency gain. Typical values 100 - 220 pF  
 \* 10n capacitor replaces earlier 100 nF one.



2N3866 & BSX20

Bottom View

| Modifications |       | Date            | Name  | Description                 | Page no.    |
|---------------|-------|-----------------|-------|-----------------------------|-------------|
|               |       | 03 Feb 15       | G4AON | G4AON Companion Transmitter | 1           |
| 18 Aug 13     | G4AON |                 |       | Low Power Amp               | Pages 1     |
| 03 Sep 13     | G4AON | D Johnson G4AON |       | Schematic no.               |             |
| 23 Dec 13     | G4AON |                 |       | AONTX_LP-A ver 5.2          | 17 Aug 2013 |