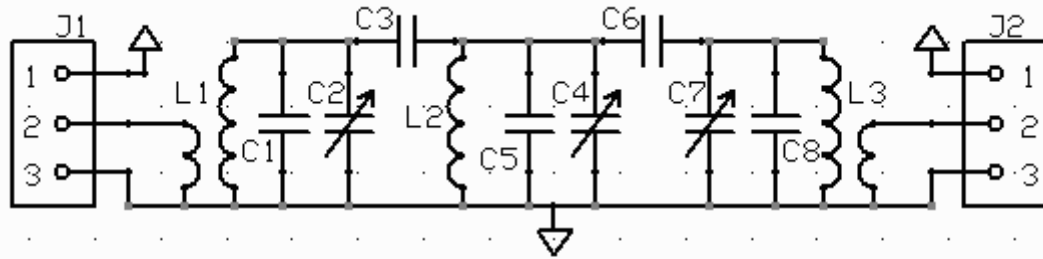


**Specs:** These bandpass filters are tight, narrow bandwidth HF Filters.

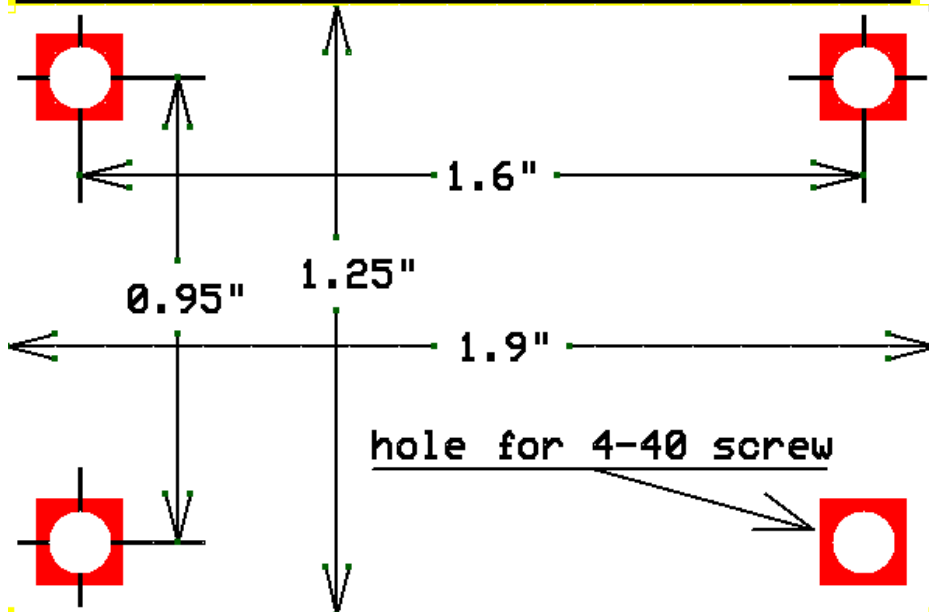
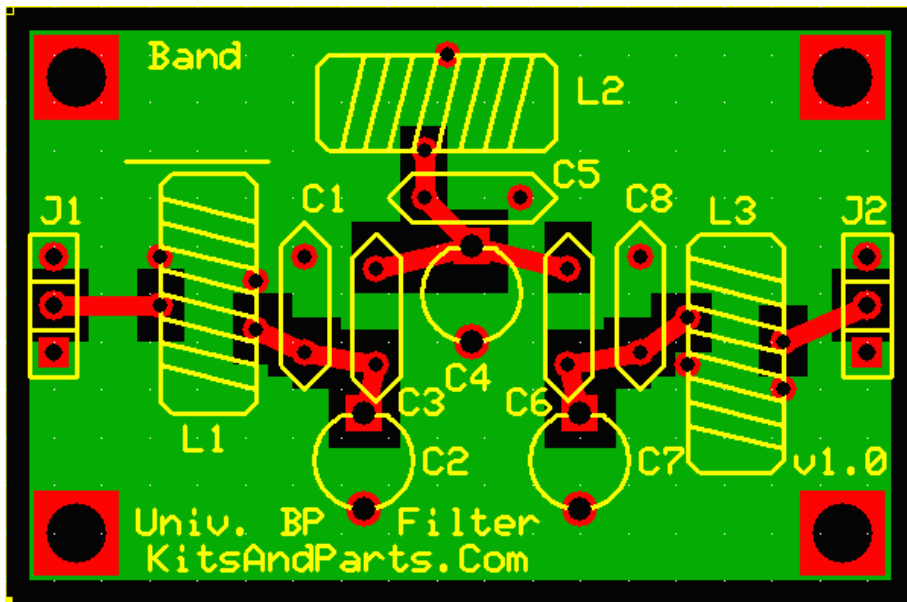
The 3 dB bandwidth is about 90 KHz @ 7 MHz.

The 6 dB bandwidth is about 140 KHz @ 7 MHz.

Each BPF Kit is **FOR ONE BAND ONLY.**



Universal BandPass Filter		
Kits And Parts Dot Com		
by W8DIZ	Rev 1.0	16 Jun 2007



Band	C1,5,8	C3,6	L1,3	T50-x	L2	T50-x
160	470p	12p	13.3uH	(-1) 35T:3T 25":6"	13.3uH	(-1) 35T 25"
80	270p	6p8	5.8uH	(-2) 33T:3T 23":6"	6.0uH	(-2) 34T 24"
40	100p	3p	3.7uH	(-6) 29T:3T 21":6"	3.9uH	(-6) 30T 22"
30	68p	2p2	2.5uH	(-6) 24T:3T 18":6"	2.5uH	(-6) 24T 18"
20	56p	1p5	1.6uH	(-6) 18T:2T 14":4"	1.6uH	(-6) 18T 14"
17	43p	1p	.97uH	(-6) 16T:2T 13":4"	.97uH	(-6) 16T 13"
15	33p	1p	.87uH	(-10) 17T:2T 14":4"	.87uH	(-10) 17T 14"
12	22p	1p	.68uH	(-10) 15T:2T 12":4"	.68uH	(-10) 15T 12"
10	15p	1p	.59uH	(-10) 14T:2T 12":4"	.59uH	(-10) 14T 12"

C2,4,7 are 40 pF for most bands and 70pF for 80 & 160

### Instructions:

1. Install C2, C4 and C7.
  - a. Install trimmer capacitors into their correct places per the above PCB layout.  
Install with flat side of trimmer into square hole pad.
2. Install L2.
  - a. Cut the spool of Copper Colored Magnet wire into 3 pieces per the above table.
  - b. Wind L2 toroid in a clockwise direction -
  - c. Prepare the toroid wires for soldering -  
This magnet wire uses three layers of Epoxy insulation and is NOT heat stripable.
  - d. Install and solder toroid inductor L2.
3. Install L1 and L3.
  - a. Review this example of a dual winding toroid for 30 meters.



Click picture to enlarge

- b. Wind L1 and L3 in a clockwise direction -
  - c. Prepare the toroid wires for soldering -  
This magnet wire uses three layers of Epoxy insulation and is NOT heat stripable.
  - d. Install and solder toroid inductor L1 and L3.
4. Install C1, C5 and C8.
  - a. Install capacitors into their correct places per the above table.
5. Install C3 and C6.
  - a. Install capacitors into their correct places per the above table.
6. Connect the BPF via J1 and J2.