

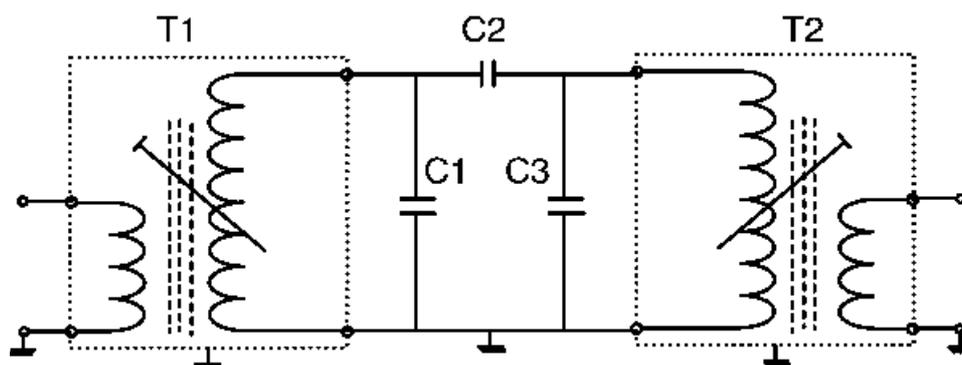
Quick and Easy Bandpass Filters for Receiver Input

Revd. George Dobbs G3RJV

“READY-DESIGNED” DUAL TUNED BANDPASS FILTERS [50 ohms input/output]

A series of Bandpass Filters designed for the input tuning of amateur band receivers by G QRP Club member Stefen Niewiadomski from his book *The Filter Handbook*. The filters are designed for 50 ohm input/output impedance and may be cascaded for better roll-off outside the passband. The TOKO coils also have a tap on the tuned winding which is useful for matching into input circuit of the order of 1k ohm. The designs use off-the shelf TOKO coils. The designations for the coils are the part number available in the UK. These can be ordered direct from the USA - see below. The inductors are variable [core tuned] but the mean inductance is given for matching to other inductors.

From : The "Filter Handbook" Stefen Niewiadomski Heineman Newnes 1989 ISBN 0-434-91378-2				
BAND MHz	T1 - T2 TYPE	T1 - T2 Inductance	C1 - C3 [pF]	C2 [pf]
1.8 - 2.0	3333	45uH	150	12
3.5 - 3.8	3333	45uH	39	3.3
7.0 - 7.1	3334	5.5uH	100	8.2
10.1 - 10.15	3334	5.5uH	47	6.8
14.0 - 14.35	3334	5.5uH	22	3.3
18.07 - 18.17	3335	1.2uH	68	6.8
21.0 - 21.17	3335	1.2uH	47	4.7
24.89 - 24.99	3335	1.2uH	33	3.3
28.0 - 29.7	3335	1.2uH	22	3.3
T1 & T2 Inductor Types : KANK3333R, KANK3334R, KANK3335R				



At the time of writing, the inductors are available in the UK from BONEX 12 Elder Way Langley Business Park Slough Berkshire SL3 6EP Tel: 01753 549502 Fax: 01753 543812. A suggested US supplier for designated TOKO coils is PENSTOCK [800] 736-7862.

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