

SEA SPRITE TRANSCEIVER VER. 4 LOW PASS FILTER MOD BILL of MATERIALS

We discovered that while the band pass filter worked great in theory, it was much too difficult to implement component wise. Even with 1% carefully selected caps the insertion loss of the band pass filter made it unworkable. The version 4 kit replaced the band pass filter with a best practice low pass filter. Everything else is the same.

CAPACITORS

1 - 330pf = C1 (331)

unused = C2

1 - 47pf = C3 (470)

1 - 150pf = C4 (151)

1 - 470pf = C5 (471)

1 - 120pf = C6 (121)

unused = C7

1 - 240pf = C8 (241)

INDUCTORS

2 - T30-2 toroid

24" 28ga magnet wire

L1 = 17 turns 28 ga magnet wire on T30-2 toroid
(scaredy cat mod has L1 = 1.2uh axial choke)

L2 = 15 turns 28 ga magnet wire on T30-2 toroid
(scaredy cat mod has L2 = 1.0uh axial choke)