

**COIL DETAILS**

T1, T2: 63 turns #20, Teflon insulated, 19-32 strand, wound on a 3" PVC pipe (outside diameter = 3.5"). Coil radius = 1.75", length = 3.8", inductance = approx. 240uH. Qu = 260 @ 580kHz.

Primary: 4 turns #20, Teflon, 19-32 strand.

Spacing Primary to Secondary: 1"

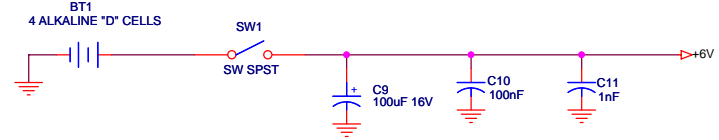
T1 and T2 are mounted vertically in PVC floor mounts (available from most hardware stores). They are spaced 11" to 14" apart to "control" regenerative feedback.

**AIR VARIABLE CAP:**

Dual 365 pF, supplied by Xtal Set Society, P.O. Box 3636, Lawrence, KS 66046  
Order line: 405-517-7347, www.midnightscience.com

**ARIEL**

The ariel can be any long wire or vertical mast, insulated from ground and tied to the center conductor of the coaxial cable. For improved sensitivity, a simple inductor or an antenna tuner may be inserted between the ariel and the coax. For both safety and performance reasons, the shield of the coax should be connected to earth ground at the ariel end. A 3 to 5 meter ground rod driven into the earth will provide a suitable ground.



DRAWN: D. Draffen 03/17/2006 (c) 1967, 2006 D. Draffen		
Title <b>ONE TRANSISTOR RX</b>		
Size B	Document Number RAD02-2006X	Rev B
Date: Tuesday, January 08, 2008 Sheet 1 of 1		