

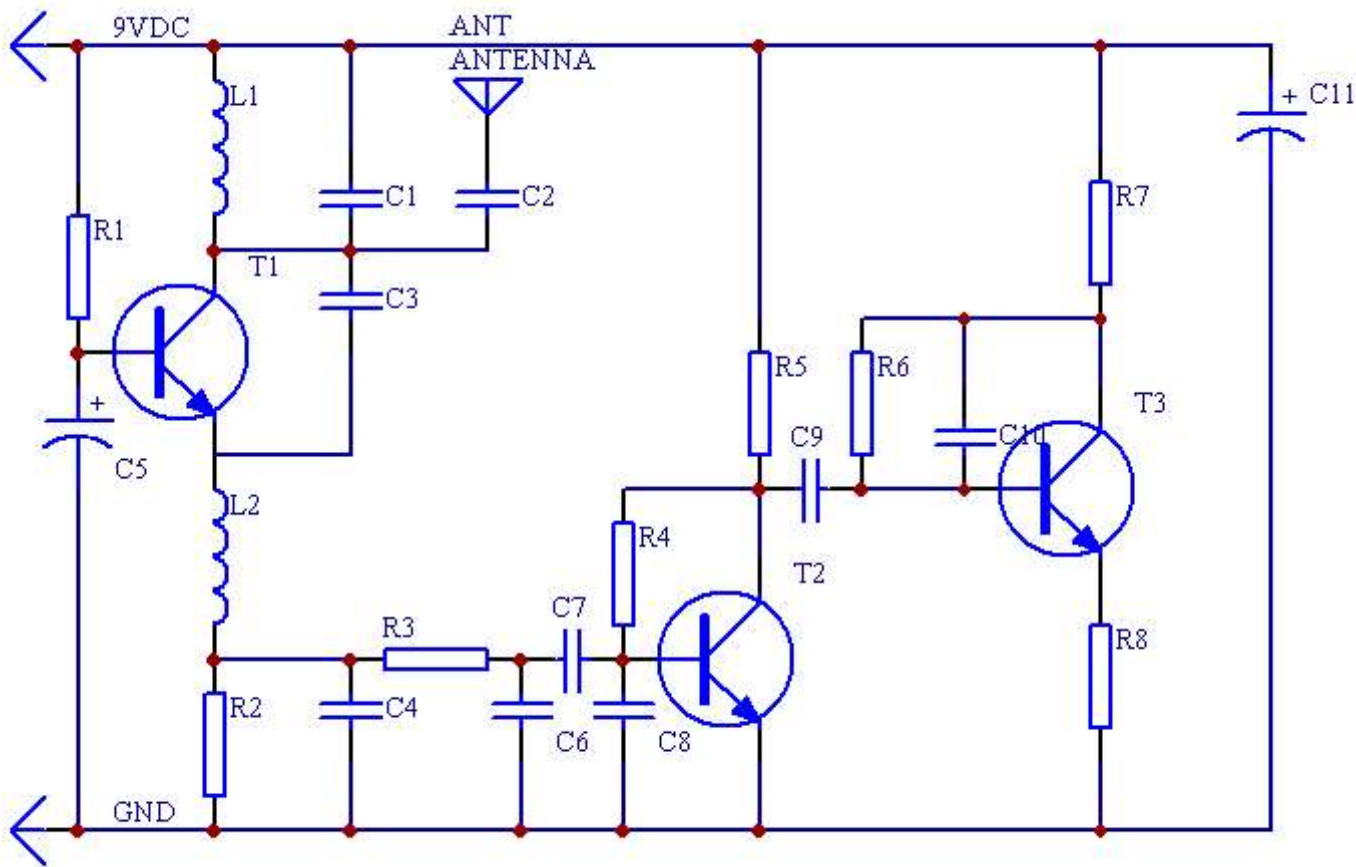


# Superregenerative radio receiver

This is a simple RF receiver mainly for low-distance digital radio receiver application. The analog output of this circuit should be connected to a schmitt-trigger signal conditioning circuit with a proper value capacitor (from collector of T3). L1 for 27Mhz is about 10 turns, 6 mm diameter coil body. The circuit is suitable for other frequencies if L1 is changed.

For more radio-related circuit diagrams see my [RF circuit collection](#)

## schematic



## components used

component	value	component	value
R1	220k	C4	2.2n
R2	10k	C5	10u
R3	33k	C6	4.7n
R4	1M	C7	22n
R5	56k	C8	4.7n
R6	1M	C9	470n
R7	33k	C10	470p
R8	1k	C11	47u

C1	22p	L2	100u
C2	4.7p	T1	BF198
C3	22p	T2	BC182B
		T3	BC182B