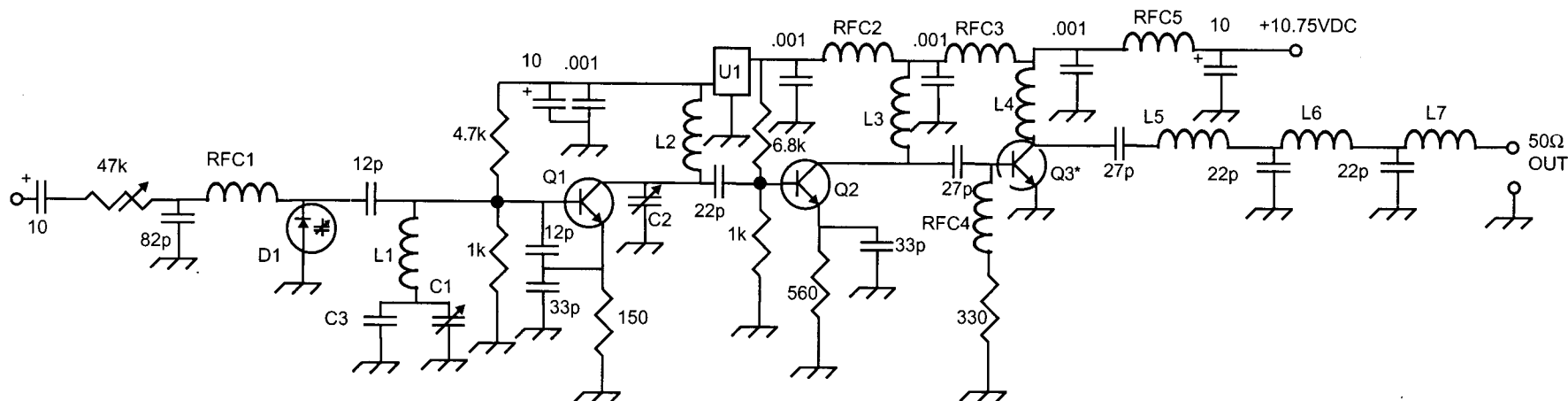


SCHEMATIC FOR A STABLE 3-BUG FM TRANSMITTER



Parts List for FM Transmitter:

C1 - C2 - 5 - 25pF compression trimmers

C3 - 39pF for frequencies 88-98MHz, 33pF for 98-108 MHz

D1-Varicap diode

L1 - 8 turns #18 copper wire, 1/4 ID, 1/2 long, sealed with coil dope

L2 - 1 μ H inductor

L3, L4, L7 - 0.1 μ H inductor

L5 - 0.33 μ H inductor

L6 - 0.15 μ H inductor

Q1 - 2N5179 NPN transistor

Q2, Q3 - PN5179 NPN transistor. *Q3 requires heat sink.

RFC1-3, RFC5 - 2.7 μ H inductor

RFC4 - Ferrite bead

U1 - 8-volt, 100mA voltage regulator

All capacitances are in microfarads (μ F) except as indicated, all

.001 μ F capacitors polystyrene, all picofarad capacitors silver mica, all polarized capacitors electrolytic