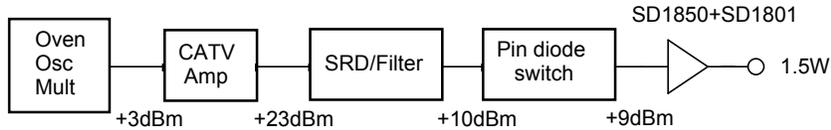
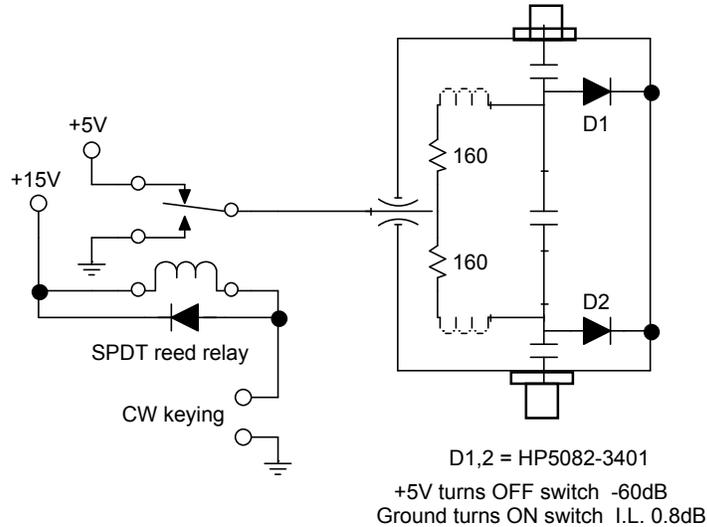


2304-MHz Beacon Transmitter WA3JUF 1992

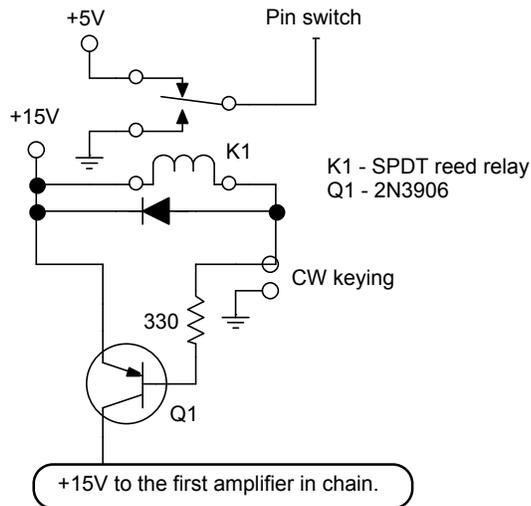


2304-MHz Beacon Pin Diode switch for CW keying



For beacons it is best to use linear amplifier stages that eliminates the Class C output drop-out in non-temperature controlled environments. Since linearity is not required, linear stages can be run closer to Psat levels on CW.

However, linear amps increase the key-up feedthru level. If more isolation is needed to reduce key-up feedthru, add a PNP switch that turns off the 1st gain stage voltage.



Key-up feedthru can also be reduced by using a Class C output stage that is over-driven by 1-2 dB and verified to produce output when the input is also lowered by 1-2 dB from nominal.