

WC202

Transmission Principle

Description:

The transmitter is a low-power communication device operating at frequency 27.145 MHz by crystal resonator (L1). The signal is a digital coding modulated transmission, which transmitted data to a receiver. This digital coding provides different patterns by proprietary integrated circuit U1.

Function:

The digital modulator (N2) is employed in the proprietary integrated circuit (U1), which sends encoded digital data. The capacitor (C1 and C3) and ceramic resonator (TX1) established the clock rate of 4 MHz.

The output data from the proprietary integrated circuit (U1) drives a Colpitts power oscillator. The frequency of oscillation is controlled by a crystal oscillator (L1)