



CLiK64-T Operation

The unit is a multi-button key tag transmitter.

- It mainly includes a micro-controller (MCU) rfPIC12F675F, a PCB trace antenna, one to four buttons, a crystal, and a 3V coin battery.
- The rfPIC12F675F is capable of transmitting data by Amplitude Shift Keying (ASK) and consists of crystal oscillator, phase-locked loop (PLL), power amplifier.
- The external crystal is used to set the transmit frequency, and the matching components are used to get maximum RF power to the on board PCB trace antenna.
- The PCB has low impedance power and ground traces as well as a ground plane to minimize spurious emissions. When either button was pressed, a series of coded data was sent to the remote control station.

The RF characteristics of the key tag transmitter are as follow:

- 1) Amplitude Shift Keying (ASK) technology.
- 2) Operating frequency is at 433.92MHz.
- 3) Maximum output power is -94 dBm.