IDT Technology Limited
萬威科研有限公司

Technical description of CMR130A

CMR130A is a Wireless Electricity Monitor sensor and transmit data by using 433.92MHz . After every time of data measurement. The data will be transfer to the receiver unit through 433.92MHz. It composes a controller part and a transmitter part. The transmitter is basically a Colippttis oscillator, where C13, C18 and XT1 are used to determinate the resonant frequency that is 433.92MHz. Transistor Q501 whose f_T is greater than 6GHz, provides a good frequency response to the circuit. There is a LC filtering circuitry, L1 and C31, that is used to suppress harmonics of the oscillator. Capacitances C35 is employed to match the impedance of the antenna.

Antenna Used

Internal Integral Antenna