



IDT Technology Limited

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Technical Description of THWR800A

THWR800A(Main MCU MSM64162A) is a Remote Thermo Sensor and transmit data by using 433.9 MHz .After every time of Thermo measurement. The data will be transfer to the receiver unit through 433.9 MHz frequency. It composes a controller part and a transmitter part.

The transmitter is basically a Colipptis oscillator, where XT1, the 433.92 MHz SAW resonator provides the center frequency, C5,C6,C7,L1 perform as the matching network, and R8,R9,R10 perform the attenuator, C28, C12 for matching 50 Ohm antenna , C1,C2,R4,C3 perform RC filtering circuitry.

