



IDT Technology Limited

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FACSIMILE COMMUNICATION

Technical description of THGR198N

THGR198N is a transmitter, which it operated at 433.92Mhz at the center frequency with integral antenna. The EUT powered by 3V DC (2 X UM-3 or “AA” size 1.5V batteries).When the batteries supplied to the unit, the MCU (U1) start to collect all relative data from the sensing devices, (eg TEMP, Humidity, Channel and C/F setting). After the conversion by MCU U1, all data have be converted to serial signal. The signal will be in OOK format.

The X102 as the SAW filter, it used to control the OSC frequency at 433.92Mhz , the OOK signal have be amplified by Q101 and radiated from interal antenna.