

O44J2WAMR Circuit Descriptions.

Block1 : The Buttons of this product.

When being pressed this remote starts to work.

Block2 : The Battery supply the power of +DC 1.5volts.

Block3 : This is the micro-controller.

Block4 : This is the real time circuit. XT100 supply the real time clock to the U100.

Block5 : This is the Transmitter power control circuit by U100,Q104.

Block6 : U100 can make the modulation by this block.

By switching(Between 0V and 3V) at R23,R26 modulation done.

Block7 : This is the basic oscillator circuit to radiate radio frequency.

Oscillates 433.92MHz by SAW1,Q5, C23,C24

Block8 : Besides 433.92MHz will be removed by first amplify. (Q5,R24)

Block9 : Besides 433.92MHz will be removed by first filter. (L8,C22)

Block10 : Besides 433.92MHz will be removed by second amplify. (Q4,R21)

Block11 : Besides 433.92MHz will be removed by second filter. (L7,L6,C18)

Block12 : This is the first Amplify circuit by Q1,R4,R5

Block13 : This is the demodulation circuit by Q2,L4,L5,R10

Block14 : This is the Discriminate circuit by U1 - A,U1 - B,C17,Q3.

Block15 : This is the reception power control circuit by U100,Q105.