

## S2500 Transmitter Circuit Description

- 1、 Power Supply:2\*AA BATTERIES is the power supply of this transmitter.
- 2、 FM Modulation IC:FMT80110FN, The FM modulation IC FMT80110FN can finish modulating the audio signal to the FM carriers with 88.1MHz,88.5MHz, 88.7MHz,and the IC can putout a perfect stereo audio. It's content include the Pre-emphasis, MPX, Stereo Audio Band Passed Filters, Audio divider.
- 3、 PLL: The PLL was included in the RF IC, and it used few electronic parts except a exactitude inductance with 270nH,and it can supply a exactitude frequency of  $\pm 5\text{KHz}$
- 4、 Crystal: The 7.6000MHz crystal can supply the basic timer norm of the whole system
- 5、 The Amplifier:Q2. The amplifier at the end would be used to magnify the IC's output RF signal, and the parts about the amplifier will act the BPF, they can let the band of the FM's frequency passed.
- 6、 ANTENNA: A FM antenna is used to transmit FM carrier signal.