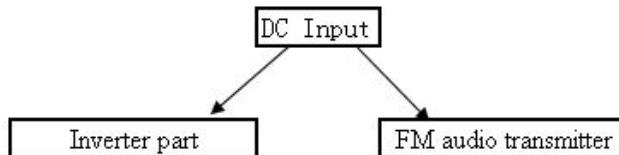
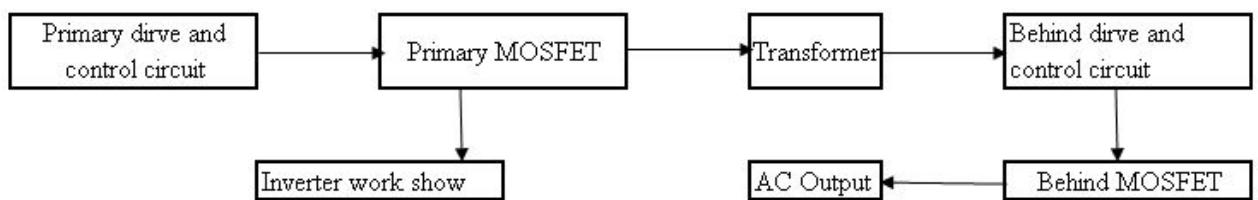


Theory of Operation

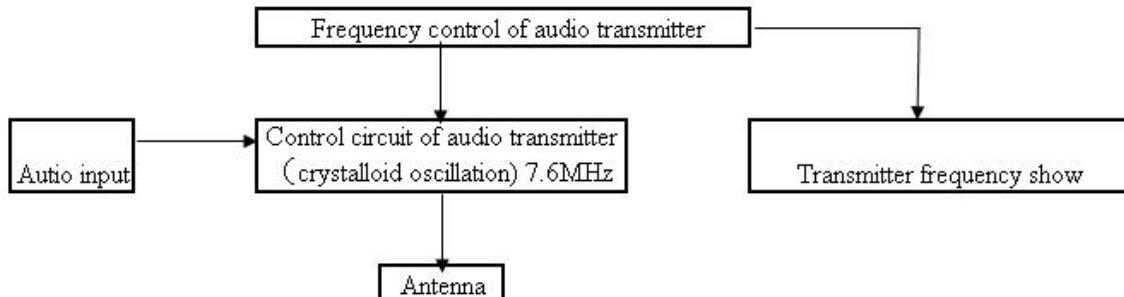
PP100FM contains two main parts, which is inverter and FM audio transmitter.



Inverter is formed by below parts:



FM audio transmitter is formed by below parts:



The frequency of crystalloid oscillation is 7.6MHz

Below is the brief summary of transmitter circuit:

From the BH1415(1st and 22th feet),input audio signal,then the signal is sent to composite equipment by internal aggravate circuit in advance, limited amplitude circuit and lowpass circuit. In addition, the frequency of oscillation circuit which connects 7.6M crystalloid through 13th and 14th divides 200 share and brings a 38KHz vice-carrier wave signal , then the 38K Hz vice-carrier wave is divided two shares and brings 19K Hz frequency signal Audio signal and 38KHz vice-carrier wave signal are modulated evenly by multiple compound equipment, then the multiple compound equipment brings a main signal(L+R) and a 38KHz vice-carrier wave through DSB modulates. Then the two signal and 19Hz frequency signal form a compound signal which is outputted from 5th feet of audio transmitter chip and then is outputted from 11th feet after the transmitter frequency is controled and amended by frequency modulation and confection Circuit and phasic lock circuit. The main way to change frequency is that SCM sends different value to transmitter chip