

J7205 TX FCC 49.860MHz OPERATIONAL DESCRIPTION

OPERATIONAL DESCRIPTION OF J7205 TRANSMITTER (Pnd Pup Mutt):

CIRCUIT DESCRIPTION:

The IC1, SPRC205A, in transmitter is a RC encoder and operate by 49.860MHz crystal. FORWARD and SPIN are connected to D1 and D2 input pin. The modulated signal direct output from RFO output pin. The modulated signal is transmit through the antenna by connected to the filter and the unwanted signal is filtered by PI (π) LC band pass filter.

ANTENNA AND GROUND CIRCUITRY

This unit makes use of an external fixed 27centimeter long antenna. The antenna is inductively coupled. The unit relies on the ground tract of the printed circuit board. No any external ground is provided and a 3Volt battery supplies Energy.

BACKGROUND

The device described herein is a wireless (RF) toy controller transmitter and the channel is operating in 49.860MHz. It provided forward, spin control and automatic power off function.

- i) D1 (forward) and D2 (spin) contact are placed on PCB. Normally, the TX in a standby mode. If D1 contact connects to ground, D1 modulated signal output from RFO. If D2 contact connects to ground, D2 modulated signal output from RFO.

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