

Model: 5F06A7D (Transmitter portion)

Technical Description of Transmitter

The transmitter operates at 27.145 MHz, and controls a receiver to move left, right forward and backward. It has a charging port to charge the internal rechargeable battery of the receiver.

The circuit of the transmitter comprises of,

1. An Encoding keys
consisting: LEFT, RIGHT, BW, TURBO, FW
2. An RF Oscillator
consisting: Q2, Y1 (27.145MHz crystal)
3. Filter
consisting: L1, C3, C2
4. An Encoder, Mixer and Amplifier
consisting: U1 (TT10SSOP16), Y2 (455kHz crystal)
5. A Power Supply
consisting: Four 1.5V AAA batteries

The transmitter uses an external, integral and non-detachable antenna.

The nominal rated field strength is $1 \mu\text{V/m}$ @ 3m
Production tolerance of field strength is +/- 3dB
Antenna gain is 0dBi