

Kid Galaxy RC-TOY GOGO CAR RX

OPERATION PRINCIPLE

The Kid Galaxy RC-TOY go go car operates at frequency 27.145MHz, or 49.860MHz, encode signals were received from antenna then passed into the super regeneration band pass filter circuit for wave-check; After Pre-amplification then passed into the decoder of the IC, the controlling signals corresponding to TX will be demodulated out to control the car's functions of forward; backward.

Circuits' composition:

Power circuit, super regeneration band pass filter and amplifier circuit, pre-amplified circuit, decoder circuit, motor front/back circuit.

1. Power circuit:

SW1, R12, R3 · C11, C12, C6

2. super regeneration band pass filter and amplifier circuit:

L1, C1, C2, C3, Q1, T1 · L2, R6, C4, R4 · C5, R2, R5, C7, C8

3. pre-amplified circuit:

C9, R7, C10, U1

4 · decoder circuit:

U1, R1

5. motor front/back circuit:

R8, R9, U2, C13, C14