

General Circuit Description

1.0 Product Description (Receiver)

The Equipment Under Test (EUT) is a Super-regenerative Receiver for a remote controlled Toy operating at 49.860MHz. The EUT is powered by 9.6V Ni-cd batteries. The EUT can be controlled in four moving directions (forward/backward and left/right turn).

The brief circuit description is listed as follows:

- Q1 and associated circuit act as a RF amplifier.
- Q3,4,10,11,12,13 and associated circuit act as a steering motor driver.
- K1,2 Q9 and associated circuit act as a racing motor driver.
- IC1 and associated circuit act as decode IC.
- D1, Q2 and associated circuit act as power Regulator circuit to supply the 2.7V power for pre-amp circuit and decode IC.