

RX208

RF Receiver Module

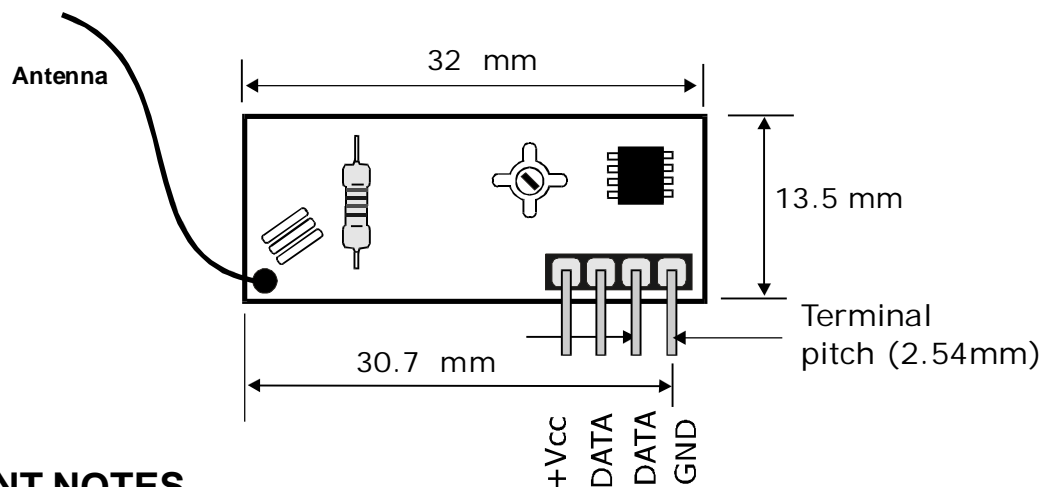
Super-regenerative (DC 5V)

Application

- 1) Low baud rates digital signal link
- 2) Industrial remote control, remote monitoring & sensing
- 3) Wireless security alarm receiver and remote control for household electrical appliances.

Technical Specifications

Operating voltage	5.0 DC \pm 0.5V
Standby current	< 3 mA (@ Vs=5V)
Operating mode	Super-regenerative
Modulation	OOK, ASK
Frequency	315 MHz or 433.92 MHz
Bandwidth	2 MHz (f=315 MHz, @ 3 dBm rolloff)
Sensitivity	better than - 105dBm (@ 315 MHz)
Data transmission rate	<5Kbps
Output signal	Digital, TTL level
Antenna length	24 cm (315MHz), 18 cm (433.92 MHz)



IMPORTANT NOTES

- 1) **Antenna :** Use any soft/hard wire with the specified length. If a telescopic antenna is used, be sure that it is fully extended. Antenna with incorrect length may shorten reception range. Keep the antenna away from metallic object or surface and it should be in the upright position for best result.
- 2) Supply voltage should be maintained within $5V \pm 0.5V$ with low ripple.
- 3) When used with MCU (microcontroller), select MCU crystal frequency of 4MHz or lower and ensure that the receiver module is located as far away from the MCU as possible. This is to minimize the possible interference from the higher order harmonics of crystal frequency.

Ref: 208



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