

General Description

The ADT2520BXX is a miniaturized receiver IC for infrared remote control system.

It has a wide voltage operating such as 2.7~5.5V, a high sensitivity.

Wide operating voltage is very suitable to the hand-held battery operating systems, e.g., electrical toy.

It has 5 trimming cells for the fined adjust of center frequency.

These ICs are capable of accepting a photodiode directly and include many excellent circuit such as a high gain initial amplifier, a gain control amplifier, a limiter, a band pass filter, a detection circuit, two comparator circuits, gain control circuits, integrator circuits, a waveform shaping circuit assembled on a single chip.

Features

- Wide Operating Supply Voltage 2.7V ~ 5.5V
- Internal voltage reference circuit for wide operating built-in.
- No external components necessary.
- **Suitable for minimum burst length of 6 pulses per burst.**
- **Continuous codes (<1ms pause time) are acceptable.**
- Output active low.
- Carrier frequency 37.9/56 KHz available

** This specifications are subject to be changed without notice*