

## General Description

The ADT2530FXX 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.
- Output active low.
- Carrier frequency 32 / 37.9 / 56 / 56A KHz available

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