

## General Description

The ADT2689FXX is high quality low current receiver IC for infrared remote control system.

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

**Especially, It can be high performance for short burst & pause time codes of LCD TV , IP TV, IP Set-top and etc. applications.**

**It has better distance performance in external light source environment and LCD TV application.**

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 circuits such as a high gain initial amplifier, a gain control amplifier, a limiter, a double band pass filter, a detection circuit, two comparator circuits, gain control circuit, integrator circuit, a waveform shaping circuit assembled on a single chip.

## Features

- Low current consumption ( Typ. 350uA@3V , 400uA@5V )
- Maximum interference safety against VCC noise & external light noise
- **Optimization in short burst & short pause time application**  
( IP TV, IP set-top, Toy etc. )
- **Min burst length : 6 and acceptable continuous code**
- Output active low

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