

## General Description

The ADT2688TN is a low current receiver IC for the high-end application infrared remote control system. It has a wide voltage operating such as 2.7~5.5V, a very high sensitivity.

These ICs are capable of accepting a photo diode 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 ~ 5.5 V.
- **Low current consumption ( Typ. 270uA@3V, 320uA@5V )**
- Maximum interference safety against VCC noise & light noise
- **Maximum distance under VCC ripple & light source noise include LCD TV**
- Carrier frequency 36 / 37.9 / 40 KHz available
- High ESD level
- Output active low

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