

General Description

The ADT2690 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 4 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 ~ 5.5 V.
- No external components necessary
- Internal filter for a high frequency lighting fluorescent lamp
- Output active low
- Carrier frequency 36KHz ~ 40KHz available
- 43mil/26mil small size photo diode is available

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