

General Description

The ADT2689SXX 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 is optimized for Sony 20bit code of LCD TV, Set-top and etc. applications.

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 double band pass filter, a detection circuit, two comparator circuits, gain control circuits, integrator circuits, 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
- **Acceptable Sony 20Bit codes for set-top or Toy application**
- **Min burst length : 10 and acceptable continuous code for max. 1.2ms**
- Output active low

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