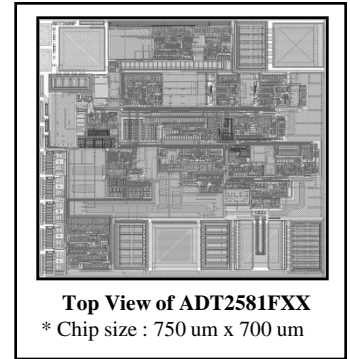


General Description

The ADT2581FXX 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. 370uA@3V, 430uA@5V)
- Maximum interference safety against VCC noise & light noise
- Maximum distance under VCC ripple & light source noise include LCD TV
- High noise immunity in Wi-Fi application
- No external components necessary
- Output active low
- Carrier frequency 36 / 37.9 / 40KHz

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