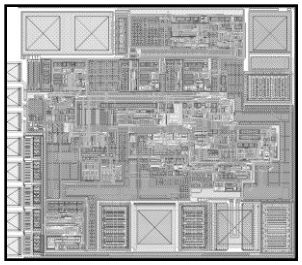
General Description

The ADT2687VF38 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.



Top View of ADT2687VF38
* Chip size : 820 um x 750 um

Features

- Wide Operating Supply Voltage 2.7V ~ 5.5 V. (Min. 2.0V operating)
- **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**
- High ESD level
- Output active low