

General Description

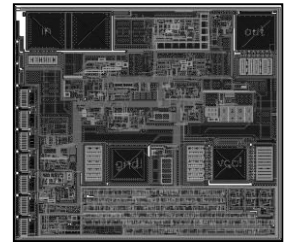
The ADT2700KXX is high quality low current receiver IC for infrared remote control system.

It has a wide voltage operating such as 2.7~5.5V, a high sensitivity.

It has trimming cells for the fine adjust of center frequency.

These ICs are capable of accepting a photodiode directly and include many excellent circuits 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 circuit, integrator circuit, a waveform shaping circuit assembled on a single chip.

Especially, It can be high performance for short burst & pause time codes of LCD TV , IP TV , IP Set-top and etc. applications.



Top View of ADT2700KXX
* Chip size : 840 x 775 um

Features

- Low current consumption (Typ. 450uA@3V , 530uA@5V)
- Maximum interference safety against VCC noise & external light noise
- **Optimization in short burst & short pause time application**
(IP TV, IP set-top, Wireless key board, Toy etc.)
- **Min burst length : 6 and Max burst length : 1.2ms acceptable continuous code**
- Output active low

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