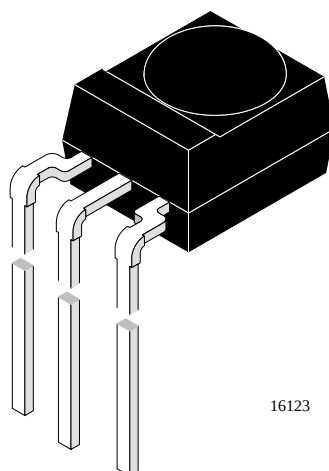


# Photo Modules for PCM Remote Control Systems

## Description

The TSOP48..SO1 – series are miniaturized receivers for infrared remote control systems. PIN diode and preamplifier are assembled on lead frame, the epoxy package is designed as IR filter.

The demodulated output signal can directly be decoded by a microprocessor. TSOP48..SO1 is the standard IR remote control receiver series, supporting all major transmission codes.

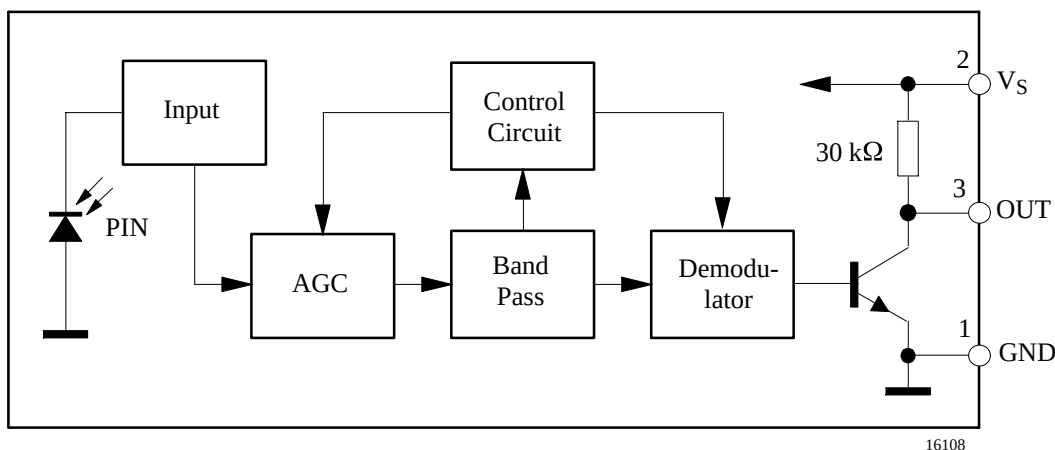


16123

## Features

- Photo detector and preamplifier in one package
- Internal filter for PCM frequency
- Improved shielding against electrical field disturbance
- TTL and CMOS compatibility
- Output active low
- Low power consumption
- High immunity against ambient light
- Continuous data transmission possible (800 bit/s)
- Suitable burst length  $\geq 10$  cycles/burst

## Block Diagram



16108