

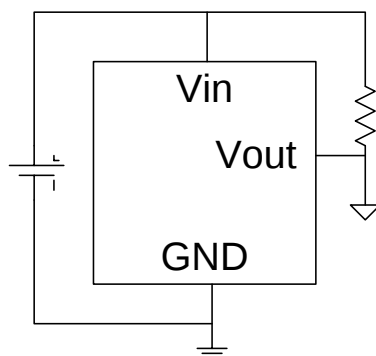
General Description

TCS9808 Series are a set of three-terminal low power voltage detectors implemented in NMOS technology. Each voltage detector in the series detects a particular fixed voltage ranging from 2.0V to 7.0V. The voltage detectors consist of a high precision and low power consumption standard voltage source, a comparator, hysteresis circuit, and an output driver. NMOS technology ensures low power consumption.

Typical Application

- battery checkers
- Level selectors
- Power failure detectors
- Microcomputer reset
- Battery backup of Memories
- Store non-volatile RAM signal protectors

Typical Application Circuit



Features

- Highly accuracy Detection voltage: $\pm 1\%$
- Low power consumption: TYP 1.8uA ($V_{in}=3V$)
- Detection voltage range: 2.0V~7.0V in 0.1V increments
- Operating voltage range: 1.5V~18V
- Detect voltage temperature characteristics:
TYP $\pm 0.9mV/^{\circ}C$
- Output configuration: NMOS

Package

- 3-pin SOT23、SOT23-3、SOT89-3、TO-92
- 4-pin FBP1*1-4、DFN1.2*1.6-4
- 5-pin SOT23-5