

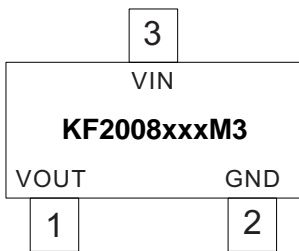


Voltage Detectors KF2008 Series

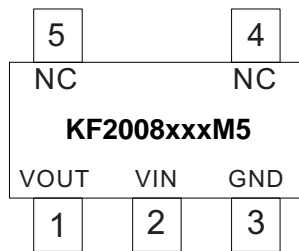
General Description

KF2008 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.

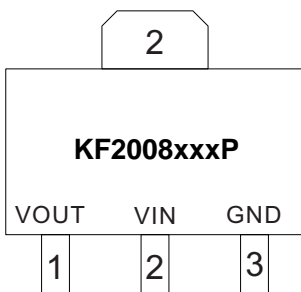
Pin Configuration



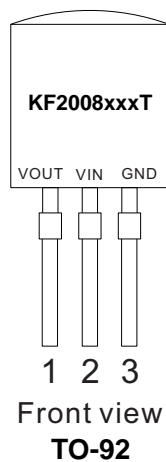
TopView
SOT23-3



TopView
SOT23-5



TopView
SOT89-3



Front view
TO-92

Features

- Highly accuracy: $\pm 1\%$
- Low power consumption: TYP 1.8uA ($V_{in}=3V$)
- Detect 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: SOT-23-3, SOT-23-5, SOT-89-3, TO-92

Typical Application

- battery checkers
- Level selectors
- Power failure detectors
- Microcomputer reset
- Battery backup of Memories

Typical Application Circuit

