

Ultra-small package High-precision Voltage Detector with delay circuit, ME2805 Series

General Description

ME2805 Series is a series of high-precision voltage detectors with a built-in delay time generator of fixed time developed using CMOS process. Internal oscillator and counter timer can delay the release signal without external parts. Detect voltage is extremely accurate with minimal temperature drift. CMOS output configurations are available.

Typical Application

- Power monitor for portable equipment such as notebook computers, digital still cameras, PDA, and cellular phones
- Constant voltage power monitor for cameras, video equipment and communication devices.
- Power monitor for microcomputers and reset for CPUs.
- System battery life and charge voltage monitors

Features

- Highly accuracy: $\pm 1\%$
- Low power consumption: TYP 0.9uA ($V_{DD}=3V$)
- Detect voltage range : 1.0V~6.5V in 0.1V increments
- Operating voltage range: 0.7V~7V
- Detect voltage temperature characteristics: TYP $\pm 100\text{ppm}/^{\circ}\text{C}$
- Output configuration: CMOS

Package

- 3-pin SOT23-3、SOT23

Typical Application Circuit

