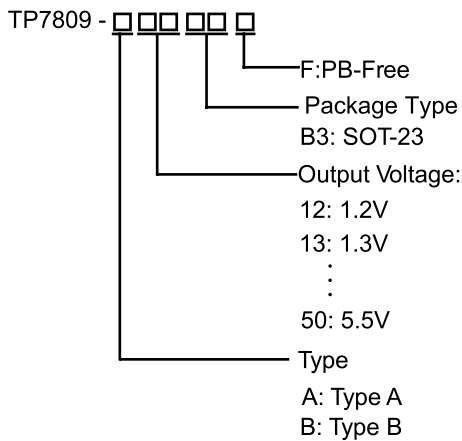


# Micro-Power Voltage Detectors, Reset Of MCU With Delay Time

## DESCRIPTION

The TP7809 is a micro-power voltage detector supervising the power supply voltage level for microprocessors ( $\mu P$ ) or digital systems. It provides internally fixed threshold levels with 0.1V per step ranging from 1.2V to 5V, which covers most digital applications. It features low supply current of  $3\mu A$ . The TP7809 performs supervisory function by sending out a reset signal whenever the VDD voltage falls below a preset threshold level. This reset signal will last the whole period before VDD recovering. Once VDD recovered upcrossing the threshold level, the reset signal will be released after a certain delay time. Available in the 5-lead of SOT-23 packages.

## Ordering Information



- Note:
- Output Voltage range from 1.2V to 5.0V in 0.1V increments.
  - 2.7V output order is TP7809A-27B3F.

## Marking Information

For marking information, contact our sales representative directly or through a TPmicro distributor located in your area.

## Functional Pin Description

Pin Name	SOT23 Type A	SOT23 Type B	Pin Function
GND	2	1	Ground
RESET/RESET	1	2	Active Low Open-Drain Reset Output
VDD	3	3	Power Pin

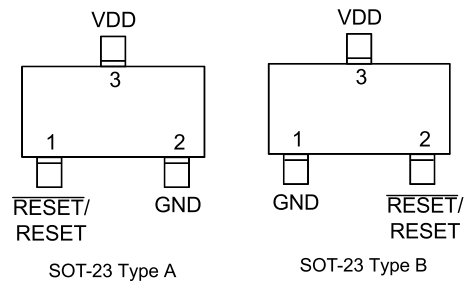
## FEATURES

- Built-in Recovery Delay Include 210ms
- Internally Fixed Threshold 1.2V to 5V in 0.1V Step
- No External Components Required
- High Accuracy 1.5%
- Low Supply Current 3 A
- Low Functional Supply Voltage 0.9V
- N-Channel Open-Drain output
- Quick Start-Up

## APPLICATIONS

- Computers
- CPU/MCU/DSP
- Portable
- Battery-Powered Equipment

## Pin Configurations



## Typical Application Circuit

