

## PST89EA

2024/02/28

## Overview

This IC is a reset IC for turning on/off power supply and power flicker in CPU or logic systems.  
This IC can change delay time by an external capacitor.

## Application

- Reset circuits for microcomputers, CPUs and MPUs
- Reset circuits for logic circuits
- Battery voltage check circuits
- Back-up power supply switching circuits
- Level detection circuits

## Features

Low current consumption,  
Small package

## Main specifications

Absolute maximum rating [V]	Recommended operating voltage Min. [V]	Recommended operating voltage Max. [V]	Detection voltage Min. [V]	Detection voltage Max. [V]	Detection voltage accuracy [%]	Consumption current [ $\mu$ A]
7.0	0.95	6.50	1.2	5.2	$\pm 1$	0.35
Release delay time	Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure	
Adjustable	Open drain	Active L	No	No	1ch Reset	

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Operating Ambient Temperature Min. [deg.C]	Operating Ambient Temperature Max. [deg.C]	Hysteresis voltage Typ. [V]	Delay resistance Typ. [M OHM]
-40	105	$V_{TH}(Typ.) \times 0.05$	10
Detection pin threshold voltage Typ. $V_{DD} \times 0.5$			

## Package

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PLP-4C

## Latest News

2023.09.26

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2023.07.03

[\[Engineering Information\] "What is RESET IC?" is available now](#)[All News](#)

## Case Studies

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**No amplifier or software design required. Development of an LDO for automobiles with open load/short circuit detection function. [Power Supply IC]**