

# PST893R

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## Overview

This IC is a System Reset IC that detect turn-off or the power flicker in power supply of CPU or logic systems. The IC has the delay time pin by an external capacitor and manual reset sense pin. The manual reset function can reset for system at any time. Therefore the IC is suitable for some applications of forced reset or test function.

## 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

## 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 [μA]
6.5	0.70	6.00	0.8	5.2	±1	0.35

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Release delay time	Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure
Adjustable	CMOS	Active L	No	Yes	1ch Reset
Operating Ambient Temperature Min. [deg.C]	Operating Ambient Temperature Max. [deg.C]		Hysteresis voltage Typ. [V]	Delay resistance Typ. [M OHM]	
-40	85		VTH(Typ.)×0.05	1	
Detection pin threshold voltage Typ.			Additional function		
VDD×0.5			Manual reset		

## Package

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SOT-25A

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## 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]**