

PST894A

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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

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]
7.0	0.95	6.50	1.2	5.2	±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	
Operating ambient temperature	Operating ambient temperature	Hysteresis voltage	Delay resistance			

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Operating ambient temperature Min. [deg.C]	Operating ambient temperature Max. [deg.C]	Typical voltage Typ. [V]	Load resistance Typ. [M OHM]
-40	105	VTH(Typ.)×0.05	10
Detection pin threshold voltage Typ. VDD×0.5			

Package

SC-82ABB

SOT-25A

Case Studies

Development of an LDO for automobiles with open load/short circuit detection function. It offers high precision and reliability in a simple configuration which does not require a current measurement amplifier and easily controlled with software. 【Power Supply IC】