

PST894R

2024/02/28

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	Open drain	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

SOT-25A

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Case Studies



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