

IC-PST596

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Overview

This IC functions in a variety of CPU systems and other logic systems, to detect supply voltage and reset the system accurately when the power is turned on or interrupted. It incorporates a fixed-delay time generation circuit. In particular, this IC is a system reset IC which realizes ultra-small size and low current consumption.

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

Fixed delay time

Main specifications

Absolute maximum rating [V]	Recommended operating voltage Max. [V]	Detection voltage Min. [V]	Detection voltage Max. [V]	Detection voltage accuracy [%]	Consumption current [μ A]
12.0	12.00	2.3	4.5	\pm 15mV	15.00
Release delay time	Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure
Fixed	Open collector	Active L	No	Yes	1ch Reset

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Operating Ambient Temperature Min. [deg.C]	Operating Ambient Temperature Max. [deg.C]	Hysteresis voltage Typ. [V]	Detect delay time Typ. [ms]
-20	75	50mV	50
Additional function			
Manual reset			

Package

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]