

PST810

2024/02/28

Overview

These IC series are a system reset IC built-in delay time circuit.

The IC is a small space on PCB by no external capacitor and small package.

The IC is compatible with a standard Reset "809 series", and can choose a detective voltage at 0.1V steps.

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	1.10	6.00	1.6	5.0	±1	0.50
Release delay time	Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure	
Fixed	CMOS	Active H	No	No	1ch Reset	

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Operating Ambient Temperature Min. [deg.C]	Operating Ambient Temperature Max. [deg.C]	Detect delay time Typ. [ms]
-40	105	PST810A:240 PST810B:50 PST810C:100 PST810D:200

Package

[SC-82ABB](#)[SOT-23A](#)

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Case Studies



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