

PST87xA

2024/02/28

Overview

This IC is a system reset IC builtin delay time circuit.

PST87/88 is not required with an external capacitor, and then can use a small package.

Therefore a space of PC board can be small.

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

Delay circuit with reduced temperature fluctuation

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]
6.0	1.20	5.50	1.6	4.6	±1.5	1.00
Release delay time	Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure	
Fixed	CMOS	Active L	No	No	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]
-40	85	50mV	PST870:20 PST871:50 PST872:100 PST873:200
Additional function			
Manual reset (PST87xR/PST88xR)			

Package[SC-82ABB](#)[SOT-25A](#)[SSON-4B](#)

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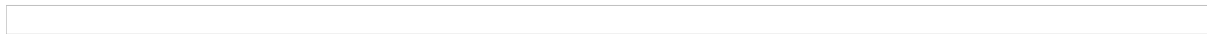
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Case Studies



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