

IC-PST86

2024/02/28

Overview

This IC is a reset IC for turning on/off power supply and power flicker in CPU or logic systems. The IC applies to the small battery(Li-ion, Li-pol) equipment by high accuracy 1.0% max. and low supply current 0.25 μ A typ.

PST86XX is compatible with PST82XX.

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 [μ A]
7.0	0.95	6.50	1.2	5.2	± 1	0.25
Output type	Output Logic	Separated sense pin	Manual reset	Circuit structure		

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Open drain	Active L	No	No	1ch Reset
Operating Ambient Temperature Min. [deg.C]		Operating Ambient Temperature Max. [deg.C]		Hysteresis voltage Typ. [V]
-40		105		VTH(Typ.)×0.05

Package

[SC-82ABB](#)[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]