

单按键电容式触摸开关IC

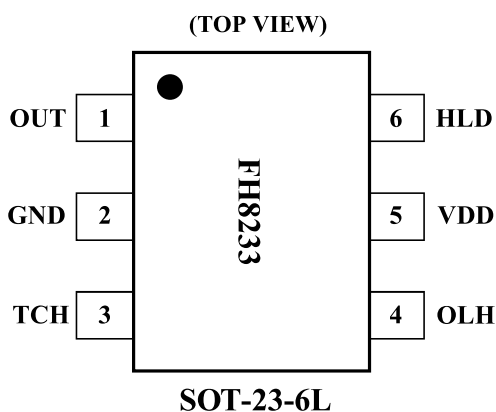
器件概述

FH8233 是一款单按键触摸及接近感应开关，其用途是替代传统的机械型开关。该 IC 采用 CMOS 工艺制造，结构简单，性能稳定。该 IC 通过引脚可配置成多种模式，可广泛应用于灯光控制、玩具、家用电器等产品。

电气特性

- 工作电压：2.4V~5.5V
- 低功耗模式仅 1.5uA (在 3V 且无负载)
- 电源稳定后，0.5S 内完成上电初始化
- 灵敏度自动校准功能，工作环境发生变化可以快速自动适应
- 高可靠性，芯片内置去抖动电路，可有效防止外部噪声干扰而导致的误动作
- 可用于玻璃、陶瓷、塑料等介质表面
- 外部配置引脚设置为多种模式
- 内置稳压电路
- 最长输出约 16 S
- SOT-23-6L 封装形式

引脚功能



引脚描述

NO.	名称	描述
1	OUT	CMOS 输出
2	GND	负电源
3	TCH	TOUCH PAD 输入
4	OLH	输出高/低有效模式选择
5	VDD	正电源
6	HLD	保持/同步模式选择

ORDERING INFORMATION

Part Number	Voltage Range	Features	Operating Temperature	Package Type	Top Mark	SPQ
FH8233M6	2.4V ~ 5.5V	<ul style="list-style-type: none"> • Single Touch Pad IC • Iq: 1.5uA(3.0V No Load) • Built in LDO • Output Time: 16s(Max.) 	0°C to 70°C	SOT-23-6L	8233 YY MM LL	3000PCS/Reel

Note:

- **FH8233** devices are Pb-free and RoHs compliant.
- The surface prints of our semiconductor devices are subject to change during the production process and do not involve changes in electrical parameters, and we will not separately state the notice.
- If you have any other custom purchase needs, please contact our sales department.



ESD SENSITIVITY CAUTION

ESD damage can range from subtle performance degradation to complete device failure. Precision integrated circuits may be more susceptible to damage because very small parametric changes could cause the device not to meet its published specifications.



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▲ Update by Jul.2019