



Features

- 200mΩ Typ. High-Side MOSFET
- 1.3A Current Limit
- Small SOT-23-5L Package Minimizes Board Space
- Thermal Protection
- Low Quiescent Current: 60μA
- Wide Input Voltage Range: 2V~5.5V

Applications

- Battery-Powered Equipment
- Motherboard USB Power Switch
- Hot-Plug Power Supplies
- Battery-Charger Circuits
- USB Device Power Switch

Ordering Information

HX9001– ① ②:

Symbol	Description
①	Operating temperature range: Commercial standard
②	Denotes Package Types: E: SOT-23-5L

Description

The HX9001 is an integrated 200mΩ power switch for self-powered and bus-powered Universal Serial Bus (USB) applications. Its low quiescent supply current (60μA) and small package (SOT-23-5) is particularly suitable in battery-powered portable equipment.

Several protection functions include soft start to limit inrush current during plug-in, current limiting at 1.3A to meet USB power requirement, and thermal shutdown to protect damage under over current condition.