



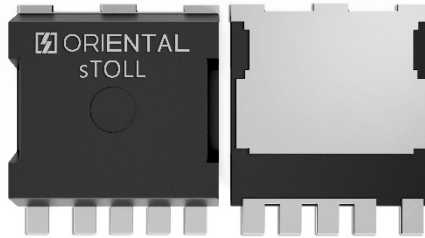
sTOLL Package Type

1、尺寸小巧:

封装尺寸通常为 7mm×8mm，相比传统 TOLL 封装 (10mm×12mm) 大幅缩小，可有效节省 PCB 空间，适用于对空间要求严格的电池供电设备、车载电机控制、BMS（电池管理系统）等应用场景。

1. Compact Size

The package typically measures 7mm × 8mm, which is significantly smaller than the conventional TOLL package (10mm × 12mm). This effectively saves PCB space, making it ideal for space-constrained applications such as battery-powered devices, on-board motor control, and BMS (Battery Management System).



2、高电流承载能力:

尽管体积小，但 sTOLL 封装仍能支持较大电流，部分产品可承载 250A 及以上连续电流，满足大电流应用需求。

2. High Current-carrying Capacity

Despite its compact size, the sTOLL package still supports a large current. Some products can handle a continuous current of 250A and above, meeting the requirements of high-current applications.

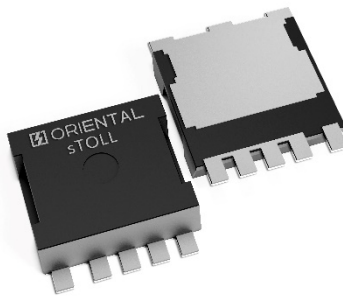


3、低封装电阻与寄生电感：

采用铜夹片（Cu-Clip）等先进工艺，显著降低封装电阻和寄生电感，减少功率损耗，提高系统效率，尤其适用于高频开关应用。

3. Low Package Resistance and Parasitic Inductance

Advanced processes such as the copper clip (Cu-Clip) technology are adopted, which significantly reduces package resistance and parasitic inductance, lowers power loss, and improves system efficiency. This feature makes it particularly suitable for high-frequency switching applications.



4、散热性能优化：

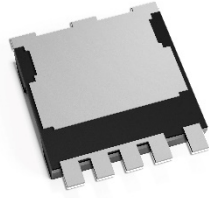
通过优化热设计，结合 PCB 散热或铝基板散热，可有效降低器件温升，确保在高功率运行时的稳定性。

4. Optimized Heat Dissipation Performance

Through thermal design optimization, combined with PCB-based or aluminum substrate-based heat dissipation methods, the device temperature rise can be effectively reduced, ensuring



stable operation under high-power conditions.



5、符合车规标准:

部分 sTOLL 封装产品符合 AEC-Q101 车规认证, 满足汽车电子对可靠性、耐高温性等严苛要求。

5. Compliance with Automotive Standards

Some sTOLL package products comply with the **AEC-Q101** automotive certification, meeting the stringent requirements of automotive electronics for reliability, temperature resistance and other performance metrics.