

新品发布

TOLT系列MOSFET——BMS与储能的低阻高效功率之选

产品特点

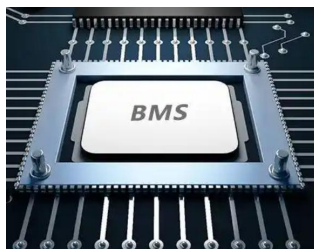
- 1.采用优化的SGT工艺, 产品内阻低, 开关特性优;
- 2.采用TOLT顶部散热封装, 适用于BMS等大功率应用;
- 3.工作结温 $T_j(\max) = 175^{\circ}\text{C}$, 出色的散热性能, 优异的温升表现;
- 4.针对工控应用的各种工作状态, 优化MOS产品EAS能力, 提高产品的可靠性。

产品规格书详见官网

Product Name	Package	Vds (V)	ID (A)	Vth (V) typ.	Rds10V (mohm) typ.	Rds10V (mohm) max.	Qg10V (nC) typ.	Tj (°C)	N/P
YJTL1D1G08H	TOLT	80	453	3	0.86	1.13	219	-55-175	N
YJTL1D7G10H	TOLT	100	340	2.6	1.28	1.7	166	-55-175	N
YJTL1D9G10H	TOLT	100	270	3	1.5	1.9	132.5	-55-175	N
YJTL2D4G10H	TOLT	100	207	2.9	2	2.4	94	-55-175	N

产品介绍

扬杰科技最新推出了一系列用于清洁能源的TOLT封装功率MOSFET产品, 产品采用特殊优化的SGT技术, 具有较低的导通电阻 $R_{ds(on)}$ 和栅极电荷 Q_g , 明显降低导通和开关损耗, 同时提升了MOSFET抗冲击电流能力。



BMS



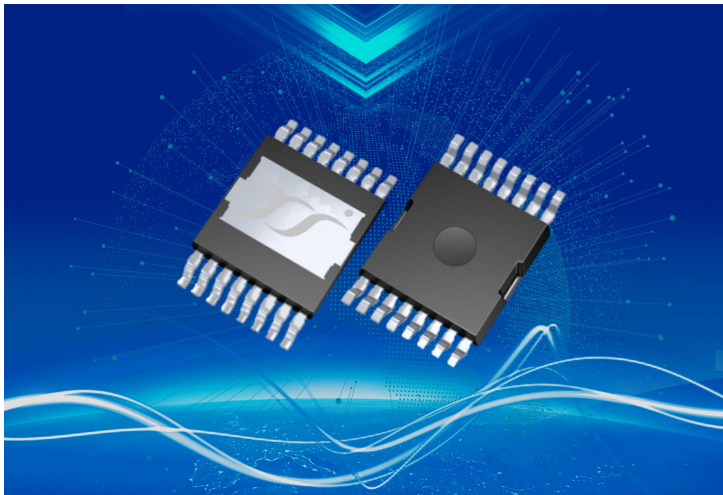
储能

典型应用

新品发布

NEW
PRODUCT

TOLT-Packaged Power MOSFET for Clean Energy



Product Introduction

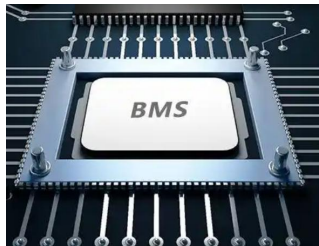
Yangjie Technology has recently launched a series of TOLT-packaged power MOSFET products for clean energy. These products adopt specially optimized SGT technology, featuring low on-resistance $R_{ds(on)}$ and gate charge Q_g , significantly reducing on-state and switching losses while enhancing the MOSFET's resistance to inrush current.

1. Adopting the optimized SGT process, the product features low internal resistance and excellent switching characteristics.
2. It adopts TOLT top heat dissipation packaging and is suitable for high-power applications such as BMS.
3. The working junction temperature $T_j(\text{max}) = 175^\circ\text{C}$, with excellent heat dissipation performance and outstanding temperature rise performance.
4. Optimize the EAS capability of MOS products for various working conditions of industrial control applications to enhance the reliability of the products.

Product Features

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Please refer to the official website for more products



BMS



Energy storage

Application

New Product Announcement