

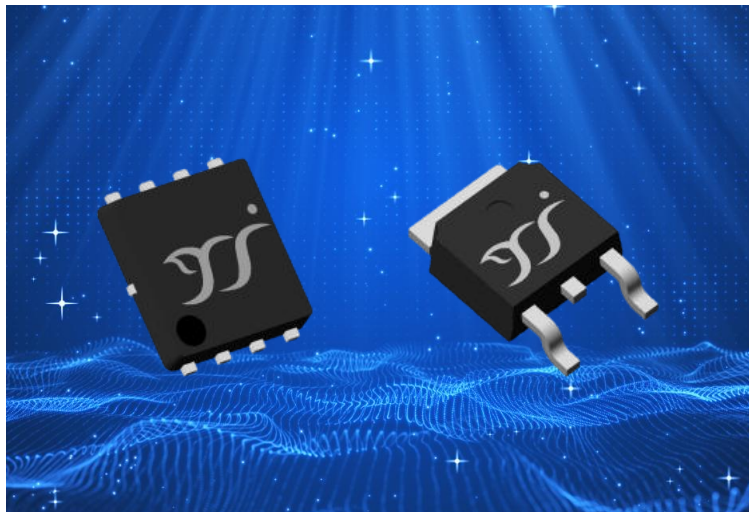
新品发布

P60V MOSFET：低阻降损+散热控温,为汽车电子大功率开“绿灯”

产品特点

- 1.采用先进工艺技术, 内阻低, 开关特性优;
- 2.采用PDFN5060、TO-252、SOP8等封装, 适用于车载大功率应用;
- 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。

更多产品详见官网



产品介绍

扬杰科技近日推出了一系列用于汽车电子的P60V MOSFET产品, 产品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, 可以支持更高频率与动态响应, 同时优化MOS产品EAS能力, 提高了产品的可靠性。

新品发布

Product Name	Package	Vds (V)	ID (A)	Vth (V) typ.	Rds10V (mohm) typ.	Rds10V (mohm) max.	Qg10V (nC) typ.	Tj (°C)	N/P
YJG051P06AHQ	PDFN5060	-60	-24	-2	40	51	34.4	-55-175	P
YJD055P06AHQ	TO-252	-60	-19	-2	41	55	32.6	-55-175	P
YJG015GP06AHQ	PDFN5060	-60	-70	-2.3	11	15	55.6	-55-175	P
YJD015GP06AHQ	TO-252	-60	-60	-2.3	12	15	52.6	-55-175	P



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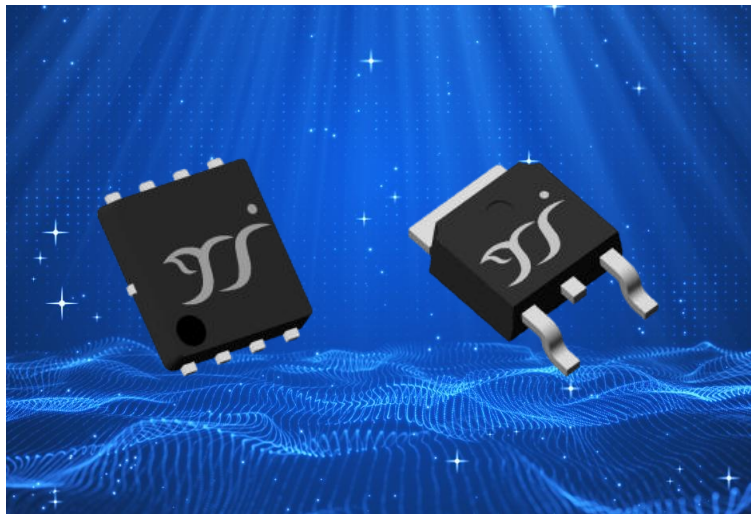


电源管理

典型应用

NEW
PRODUCT

■ P60V MOSFET for Automotive Electronics



Product Introduction

Yangjie Technology has recently launched a series of P60V MOSFET products for automotive electronics. The product features a low on-resistance $R_{ds(on)}$ and gate charge Q_g , significantly reducing conduction and switching losses. It can support higher frequencies and dynamic responses, while optimizing the EAS capability of MOS products, enhancing the reliability of the product

New Product Launch

Product Features

1. It adopts advanced process technology, featuring low internal resistance and excellent switching characteristics;
2. It adopts PDFN5060, TO-252, SOP8 and other packages, and is suitable for high-power applications in vehicles.
3. The working junction temperature $T_j(\text{max}) = 175^\circ\text{C}$, with excellent heat dissipation performance and outstanding temperature rise performance.

Please refer to the official website for more products

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DC-DC



Power Management

Typical Applications