

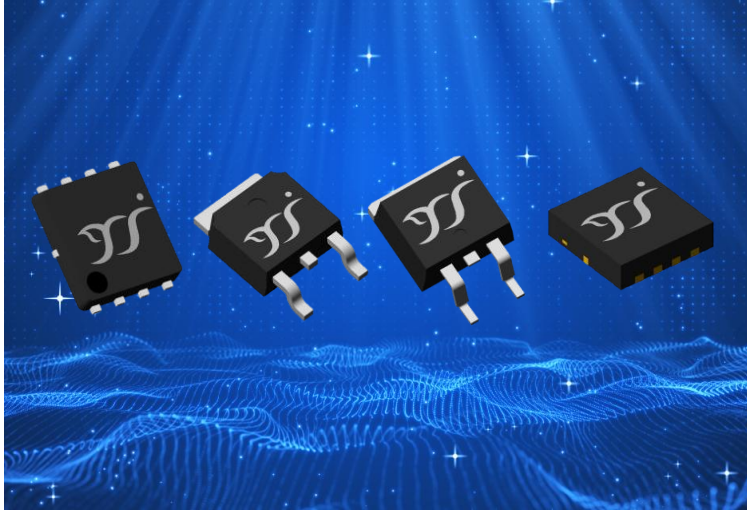
新品发布

用于汽车电子的N60V MOSFETs

产品特点

- 1.产品采用优化的SGT技术, 产品内阻低, 开关特性优;
- 2.产品采用PDFN5060、TO-252、TO-263、DFN3333等封装, 适用于车载大功率应用;
- 3.产品具有UIS能力强, Qg与Rds参数更优的特点。

产品规格书详见官网



产品介绍

扬杰科技近日推出了一系列用于汽车电子的N60V SGT 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, 可以支持更高频率与动态响应。

Product Name	Package	Vds (V)	ID (A)	Vth (V) typ.	Rds10V (mohm) typ.	Rds10V (mohm) max.	Qg10V (nC) typ.	Tj (°C)	N/P
YJQ029N06AHQ	PDFN3333	60	23	2	23	29	18	-55-175	N
YJB5D0G06HQ	TO-263	60	90	3	3.9	5	26	-55-175	N
YJP5D4G06HQ	TO-220	60	90	3	4.3	5.4	28	-55-175	N
YJGD6D3G06HQ	PDFN5060-Dual	60	60	3	4.8	6.3	25.5	-55-175	N
YJD6D5G06AHQ	TO-252	60	80	1.8	5	6.5	27.2	-55-175	N
YJG6D9G06AHQ	PDFN5060	60	75	1.8	5.3	6.9	27.2	-55-175	N
YJB7D2G06AHQ	TO-263	60	85	1.8	5.5	7.2	27.2	-55-175	N
YJQ7D2G06AHQ	DFN3333-WF	60	60	1.8	5.7	7.2	27.2	-55-175	N
YJQ5D5G06AQ	DFN3333-WF	60	70	1.6	4.5	5.5	33	-55-175	N
YJB95G06AQ	TO-263	60	95	1.6	4	5.2	38.5	-55-175	N



刹车系统



鼓风机



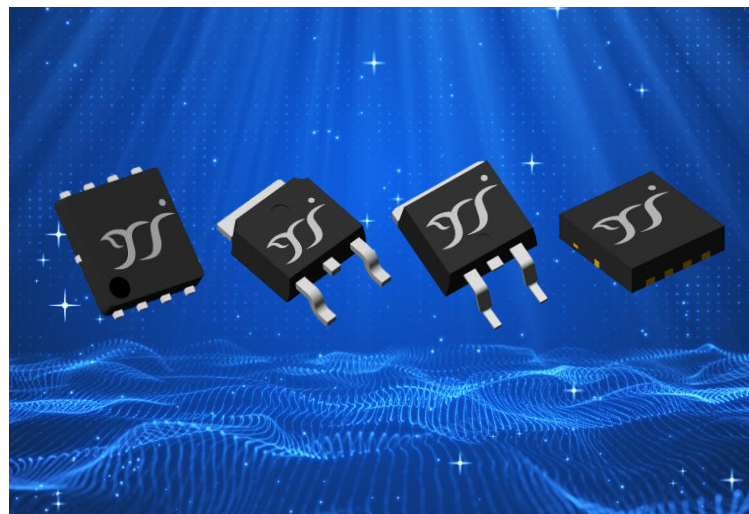
DC-DC

典型应用

新品发布

NEW
PRODUCT

N60V MOSFETs for Automotive Electronic Applications



Product Introduction

Yangjie technology recently launched a series of N60V MOSFET products for automotive Electronic, products using specially optimized SGT technology, with low $R_{ds(on)}$ and Q_g , significantly reducing forward voltage drop and switching losses, can support higher frequencies and dynamic response.

New Product Launch

1. The product utilizes optimized SGT technology, featuring low on-resistance and excellent switching performance.
2. It is available in packages such as PDFN5060, TO-252, TO-263, and DFN3333, making it suitable for high-power automotive applications.
3. It has the characteristics of strong UIS capability, better Q_g and R_{ds} parameters.

Please refer to the official website for more details

Product
Features

Product Name	Package	V _{ds} (V)	I _D (A)	V _{th} (V) typ.	R _{ds10V} (mohm) typ.	R _{ds10V} (mohm) max.	Q _{g10V} (nC) typ.	T _j (°C)	N/P
YJQ029N06AHQ	PDFN3333	60	23	2	23	29	18	-55-175	N
YJB5D0G06HQ	TO-263	60	90	3	3.9	5	26	-55-175	N
YJP5D4G06HQ	TO-220	60	90	3	4.3	5.4	28	-55-175	N
YJGD6D3G06HQ	PDFN5060-Dual	60	60	3	4.8	6.3	25.5	-55-175	N
YJD6D5G06AHQ	TO-252	60	80	1.8	5	6.5	27.2	-55-175	N
YJG6D9G06AHQ	PDFN5060	60	75	1.8	5.3	6.9	27.2	-55-175	N
YJB7D2G06AHQ	TO-263	60	85	1.8	5.5	7.2	27.2	-55-175	N
YJQ7D2G06AHQ	DFN3333-WF	60	60	1.8	5.7	7.2	27.2	-55-175	N
YJQ5D5G06AQ	DFN3333-WF	60	70	1.6	4.5	5.5	33	-55-175	N
YJB95G06AQ	TO-263	60	95	1.6	4	5.2	38.5	-55-175	N



Braking system



Blower



DC-DC

Typical
Applica-
-tions