

新品发布

# 用于PC主板的High-side+Low-side PDFN5060 N30V Mosfet



## 产品介绍

扬杰科技近日推出了针对于PC主板应用的High-side+Low-side PDFN5060 N30V Mosfets，产品采用SGT技术，具有较低的导通电阻Rdson和栅极电荷Qg，明显降低导通和开关损耗，在300kHz以上高频率应用有优异的表现。

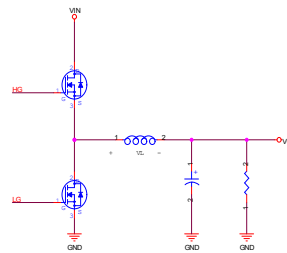
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产品特点

- 1.采用特殊优化的SGT技术,其性能指标FOM( $R_{DS(on)} * Q_g$ )行业领先
- 2.采用PDFN5060封装， High-side+Low-side 组合方案;
- 3.BVDSS典型值>33V设计, 提供更安全的余量

Application	Product Name	Package	Vds (V)	ID (A)	Vth typ. (V)	Rdson@10Vtyp. (mohm)	Rdson@10Vmax. (mohm)	Qg@10V typ. (nC)	Tj (°C)
Low-side	YJG2D4G03AF	PDFN5060	30	125	1.7	1.8	2.4	30.8	-55-150
Low-side	YJG2D7G03AF	PDFN5060	30	130	1.7	2.2	2.7	28.8	-55-150
High-side	YJG5D5G03A	PDFN5060	30	55	1.7	4.2	5.5	12.4	-55-150

产品规格书详见官网



DC-DC Buck电路



个人电脑



显卡

典型应用

NEW  
PRODUCT

# High-side+Low-side PDFN5060 N30V Mosfet for PC Mainboard



## Product Introduction

Yangjie Technology recently launched the High-side+Low-side PDFN5060 N30V Mosfets for PC mainboard applications, the product adopts SGT technology, with Low dson and Qg, significantly reducing on-switching and switching losses; excellent performance in high frequency applications above 300kHz.

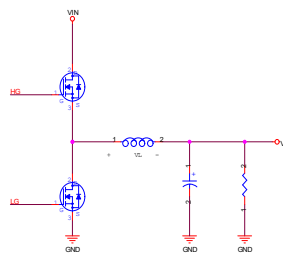
New Product Announcement

1. Using specially optimized SGT technology, its FOM( $RDS(on)*Qg$ ) is the industry leader
2. Adopt PDFN5060 package, High-side+Low-side combination scheme;
3. BVDSS typical value >33V design

Product  
Features

Application	Product Name	Package	Vds (V)	ID (A)	Vth typ. (V)	Rdson@10 Vtyp. (mohm)	Rdson@10Vmax. (mohm)	Qg@10V typ. (nC)	Tj (°C)
Low-side	YJG2D4G03AF	PDFN5060	30	125	1.7	1.8	2.4	30.8	-55-150
Low-side	YJG2D7G03AF	PDFN5060	30	130	1.7	2.2	2.7	28.8	-55-150
High-side	YJG5D5G03A	PDFN5060	30	55	1.7	4.2	5.5	12.4	-55-150

Please refer to the official website for more details



DC-DC Buck



PC



Video Card

Typical  
Applica-  
tions