

## 捷捷微电 推出业界领先 MOSFET 类别产品 — JSFET®



2020 年 11 月 11 日 — 捷捷微电 推出了一类别技术领先的 MOSFET 产品。此次发布的 JMS 系列 MOSFETs 采用了最先进的自有 JSFET® 技术。该技术结合了 捷捷微电 国际化背景的研发设计及市场部精英，多年来在【器件设计、制造工艺、包装、装配、制造、可靠性、终端应用】等半导体核心领域的经验及智慧。

该类别的产品，采用行业领先的 SGT 技术，性能达到国际一流水准。利用主流 8 英寸晶圆量产的 JMS 系列，具耐压范围 (30 ~ 150V)、导通阻抗低 (1.2 ~ 9 mΩ)、FOM 优 (47 ~ 423) 等特性，并采用贴片式封装【PDFN3x3-8L, PDFN5x6-8L, TO251/252/263-3L】和直插式封装 TO220-3L。这些产品已在诸多终端（消费电子、工业、通信）中的电机驱动及电源开关应用方面，发挥巨大作用。这些应用对 MOSFET 的稳健性、热效率、性价比的要求都非常高。

目前 JMS 系列 MOSFETs 已大规模量产。如要采购或申请样品，请联系捷捷微电销售部或已授权的经销商。

### JieJie Microelectronics Announces JSFET® Family of MOSFETs

**Shanghai, November 11, 2020** - JieJie Microelectronics is launching a family of advanced SGT (split gate technology) MOSFETs. JSFET® is the state-of-the-art patented technology incorporated inside the JMS-series of MOSFETs. The technology aggregates the expertise of the R&D and marketing personnel who had worked extensively at many world-renown power semiconductor vendors on key aspects like: device design, fabrication process, packages, assembly & manufacturing, reliability, understandings of the end-market applications, etc. Many parts in the JMS-series offer performance either equal to or better than the best from the other tier-1 power semiconductor vendors worldwide.

Fabricated on the mainstream 8-inch wafers of state-of-the-art process node, the JMS-series of MOSFETs have been released to mass production. They offer maximum breakdown voltage ( $V_{DS\_Max}$ ) at 30 ~ 150V, drain-to-source ON resistance ( $R_{DS(ON)\_Typ}$ ) at 1.2 ~ 9.0 mΩ, and figure-of-merit ( $R_{DS(ON)\_Typ} * Q_g\_{Typ}$ ) at 47 ~ 423. Housed in the thermally efficient through-hole packages such as TO220-3L, and the low-profile surface-mountable packages like [PDFN3x3-8L, PDFN5x6-8L, TO251/252/263-3L], these MOSFETs offer tremendous values in many end-market applications. These include motor driving & power switching in the consumer, industrial and communication products for which robustness, thermal efficiency, and cost-performance index are deemed prominent.

**Availability** - The JMS-series of MOSFETs have been available in production quantities from either the authorized distributors or the sales department of JieJie Microelectronics. Sample quantities can also be made available upon approval.