

Market News

StrongIRFET™ MOSFETs in D²PAK 7pin+ package targeted at battery-powered applications

Munich, Germany – 12 May 2020 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) complements its [StrongIRFET™ 40-60 V MOSFET product family](#) with the addition of three new devices in D²PAK 7pin+ package. These new components offer extremely low $R_{DS(on)}$ and high current-carrying capability, which increases both robustness and reliability for high-power-density applications that require high efficiency. The three new MOSFETs target battery-powered applications including, battery-powered tools, battery management systems, and low-voltage drives.

The new D²PAK 7pin+ package expands on an already large variety of StrongIRFET™ packages. This expansion further enhances the options for selecting the ideal power device for many design challenges. Additionally, the interchangeable pinout options of the new package allow for unmatched design flexibility. In comparison to the standard D²PAK 7pin package, the new family offers up to 13 percent lower $R_{DS(on)}$ and up to 50 percent higher current-carrying capability when compared to previous-generation devices. For example, the benchmark [IRL40SC240](#) is a 40 V device with an $R_{DS(on)}$ of 0.65 mΩ and current-carrying capability of 360 A.

The package is optimized to hold a die with an increased area of up to 20 percent while sharing the same footprint and pinout as a standard D²PAK 7pin. Thus, it can easily replace the traditional D²PAK 7pin and H²PAK packages. Additionally, the product family offers both normal- and logic-level gate drive providing designers flexibility in their drive schemes.

Availability

The StrongIRFET in the D²PAK 7pin+ package is available now. More information is available at www.infineon.com/strongirfet.

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