



Press Release

New Infineon MOSFETs deliver highest energy efficiency in space constrained applications like Power Tools and E-Bikes

Munich, Germany – July 20, 2015 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) has launched a new family of StrongIRFET™ MOSFETs for DC powered circuits including battery powered circuits, brushed and brushless DC (BDLC) motor drives. The MOSFETs can bring highest energy efficiency to end-applications such as [power](#) and [gardening tools](#), [light electric vehicles](#), drones and [e-bikes](#) that demand a high level of energy efficiency but are restricted in available space. This is made possible by the compact Medium Can DirectFET™ housing featuring a new layout.

“The reliability and performance of DirectFET packaging technology is further enhanced with a new layout that now offers even lower thermal resistance. Combined with rugged silicon, these new StrongIRFET DirectFET MOSFETs offer improvements in overall system-level size, efficiency and cost making them well suited to all space constrained applications that require that extra efficiency demanded by the manufacturer and the end-user,” said Stephane Ernoux, Product Marketing, Power Management and Multimarket Division, Infineon Technologies.

The new StrongIRFET devices are housed in a Medium Can DirectFET package that features dual-sided cooling to deliver high power density and excellent thermal performance. By re-locating the gate pad to the corner of the die on these latest devices, the new layout significantly increases the source contact area to achieve even lower thermal resistance to the PCB than standard DirectFET packages, further improving efficiency, and increasing the scalability of design.

The new devices, which range from 40 V to 75 V, feature the characteristics of the StrongIRFET family, including low on-state resistance ($R_{DS(on)}$) to minimize conduction losses, high current carrying capability and rugged silicon to improve system

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reliability. The product family features an environmentally-friendly 100 percent lead-free package that is current and future ROHS compliant.

Specifications

Part Number	Package	Outline	V _{DS} (V)	R _{DS(on)} (mΩ) Typ/Max @ 10 V	Id (A)	Qg (nC)
IRF7480MTRPBF	Medium Can DirectFET	ME	40	0.9 / 1.2	217	123
IRF7483MTRPBF	Medium Can DirectFET	MF	40	1.7 / 2.3	135	81
IRF60DM206	Medium Can DirectFET	ME	60	2.2 / 2.9	130	133
IRF7580MTRPBF	Medium Can DirectFET	ME	60	2.9 / 3.6	114	120
IRF7780MTRPBF	Medium Can DirectFET	ME	75	4.5/5.7	89	124

Availability

Production orders are available immediately. Further information on the StrongIRFET Medium Can DirectFET MOSFETs is available at www.infineon.com/strongirfet.

About Infineon

Infineon Technologies AG is a world leader in semiconductors. Infineon offers products and system solutions addressing three central challenges to modern society: energy efficiency, mobility, and security. In the 2014 fiscal year (ending September 30), the company reported sales of Euro 4.3 billion with about 29,800 employees worldwide. In January 2015, Infineon acquired US-based International Rectifier Corporation, a leading provider of power management technology, with revenues of USD 1.1 billion (fiscal year 2014 ending June 29) and approximately 4,200 employees.

Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the over-the-counter market OTCQX International Premier (ticker symbol: IFNNY).

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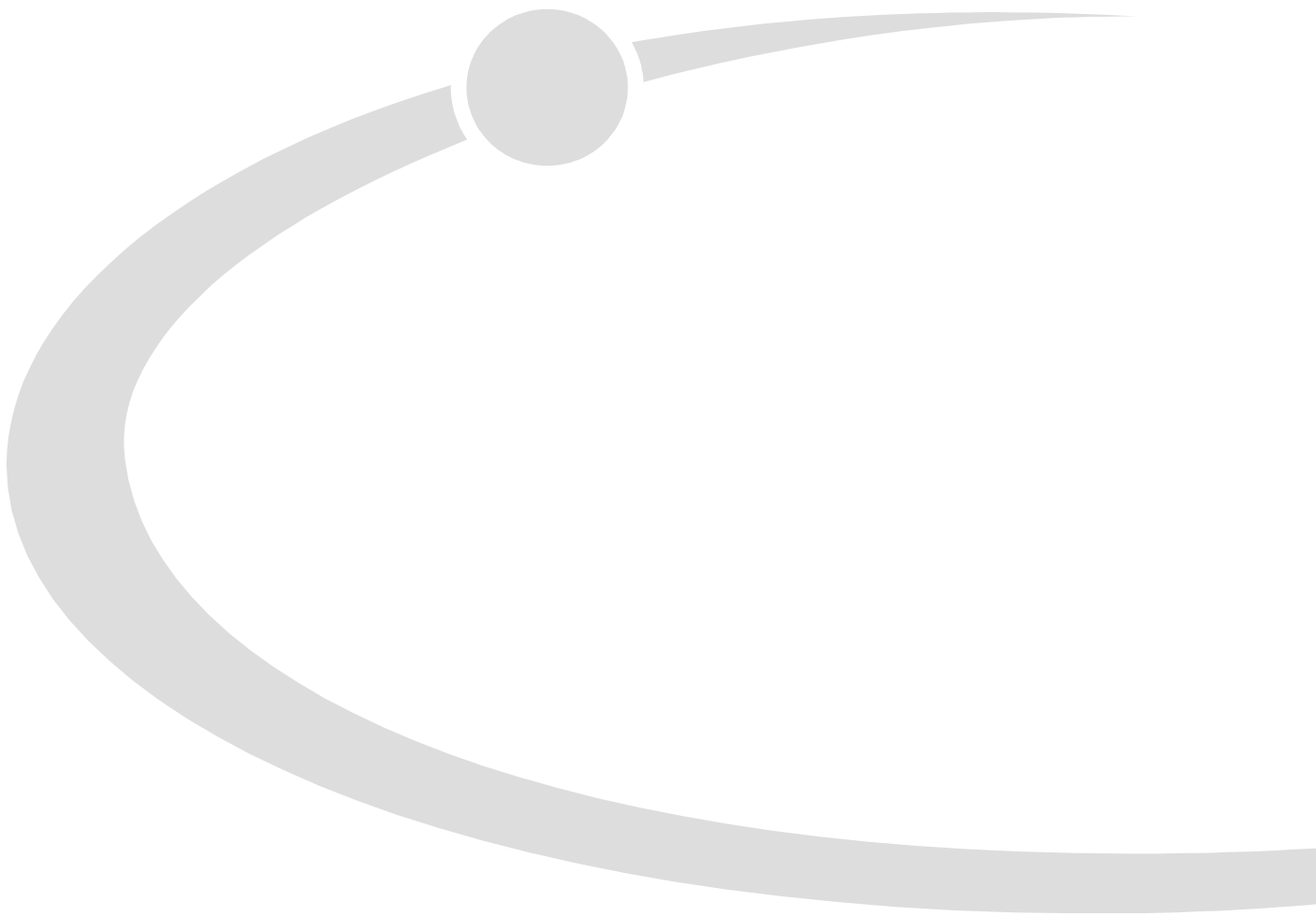
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