



## Press Release

### **New Infineon Power MOSFETs Make Electrical Appliances More Compact and Durable**

Munich, Germany – August 26, 2015 – DIY tools such as cordless drills and saws have to be handy and durable. Therefore, the electronic components used in the applications need to be space-saving and rugged. Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) has extended its StrongIRFET™ Power MOSFET family and thereby provides a solution that fulfills both requirements. The Logic Level StrongIRFETs™ can be driven directly from a microcontroller, saving space and cutting costs. Additionally, the MOSFETs are highly rugged and thus help lengthen the service life of the electronic devices.

The tried and tested StrongIRFET family enables highest energy efficiency in electric appliances. With the logic level extension, Infineon meets the market's demand for StrongIRFETs that do not require a stand-alone driver. In the logic level variant the necessary gate-source voltage is reduced to 4.5 V. This makes it possible to directly connect the MOSFET with the microcontroller in many applications.

“The Logic Level StrongIRFETs deliver two decisive advantages. They reduce the complexity of the electronic design in various applications and show an unmatched ruggedness,” says Stéphane Ernoux, Product Marketing Director, Power Management and Multimarket Division.

The characteristic performance features of the StrongIRFET family have been retained in the logic level extension: Low on-state resistance (0.52 mΩ typ. and 0.97 mΩ max.) for reduced conduction losses, high current carrying capability for increased power capability and rugged silicon all make for high system reliability.

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## Specifications

Part Number	Breakdown Voltage (V)	Package (Outline)	Current rating (A)	R <sub>DS(on)</sub> typ/max at 4.5 V (mΩ)
IRL7472L1TRPBF	40	Large Can DirectFET™ (L8)	375	0.52 / 0.97
IRL7486MTRPBF	40	Medium Can DirectFET™ (ME)	209	1.5 / 2.0
IRL40B209	40	TO-220	195	1.2 / 1.6
IRL40B212	40	TO-220	195	1.9 / 2.4
IRL40S212	40	D <sup>2</sup> PAK	195	1.9 / 2.4
IRL40B215	40	TO-220	120	2.8 / 3.5
IRL60B216	60	TO-220	195	1.7 / 2.2

## Availability

Production orders are available immediately. Further information on the Logic Level StrongIRFET is available at [www.infineon.com/strongirfet](http://www.infineon.com/strongirfet).

## About Infineon

Infineon Technologies AG is a world leader in semiconductor solutions that make life easier, safer and greener. Microelectronics from Infineon is the key to a better future. 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 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).

Further information is available at [www.infineon.com](http://www.infineon.com)

This press release is available online at [www.infineon.com/press](http://www.infineon.com/press)

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