



Market News

New synchronous rectification ICs for simplicity and efficiency in SMPS applications

Munich, Germany, and El Segundo, California – June 28, 2016 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) released the IR1161L and IR11688S secondary synchronous rectification (SSR) family of Controller ICs to complete Infineon’s product offerings for SMPS applications.

The IR1161L and IR11688S SSR ICs meet the new 2016 standards set by the U.S. Department of Energy and the “European Code of Conduct for Energy Efficiency in Data Centre” which demand a 1 to 3 percent efficiency improvement over previous requirements. Taking 2 percent saving as an average for new adapters, US adult notebook users alone can save 525 GWh per year – which is enough to power New York City for at least 40 days.

Together with Infineon’s best in class energy saving OptiMOS™ and StrongIRFET™ MOSFETs, this family of SSR ICs provides a simple solution for SMPS while improving the overall efficiency. The IR1161L is targeted for flyback SMPS in chargers and adapters while the IR11688S is targeted for LLC SMPS in televisions, desktops, silver boxes and micro-servers.

Both, the IR1161L and IR11688S offer 200 V direct sensing which eliminates the need for external voltage dividers. The family also features programmable MOT (minimum on time) ensuring reliable operation from no-load to full-load. The low quiescent current capability meets the standby requirements of the new 2016 efficiency standard in the industry.

Availability

Volume production of the IR1161L and IR11688S has started. More information about the new SSR family is available at www.infineon.com/sric.

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