

Power MOSFET Technology Achieves RDS(ON) of 0.079 W



STMicroelectronics announces its MDmesh V technology that will enable a new generation of 650 V silicon power MOSFETs with RDS(ON) reaching below 0.079 in compact power packages to deliver efficiency and power density. These devices target power-conversion systems where small size and low energy consumption are major goals for design engineers. The complete STx42N65M5 family offers package options that include the TO-220 package, the surface-mount D2PAK as well as TO-220FP, I2PAK and TO-247. The STx16N65M5 family, also at 650 V, is rated at 0.299 RDS(ON) and 12 A. End-user applications include laptop power adapters, LCD monitors and TVs, lighting ballasts, telecom equipment, solar converters and other applications requiring high voltage power factor correction or switched mode power conversion.

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<http://www.wirelessdesignmag.com/product-releases/2009/03/power-mosfet-technology-achieves-rdson-0079-w>