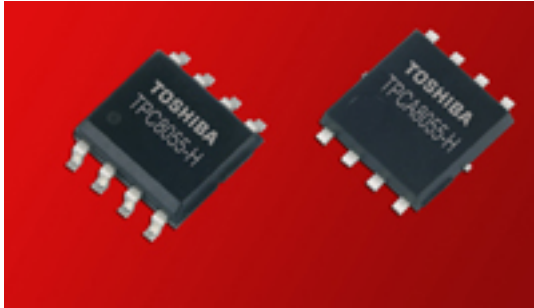


Power MOSFETs for DC-DC Conversion Tout Reduced Gate Switch Charge



Toshiba America Electronic Components, Inc. has launched its latest generation of power MOSFETs for synchronous DC-DC conversion. The seventh generation trench process in the Toshiba fast switching series, UMOS VII-H, is asserted to enable a significant reduction in gate switch charge and on-state resistance ($R_{DS(ON)}$) resulting in greater power efficiency. The first two MOSFETs in the UMOS VII-H series, TPCA8055-H and TPC8055-H, are intended for use in high efficiency DC-DC converter applications in mobile and desktop computers, servers, video game consoles, and other electronic devices, in which they convert input voltage to the level required for various subsystems such as the processor, memory and input-output devices. The new devices also feature fast switching, enabled through low gate charge (QSW) and low gate resistance (R_g).

Toshiba America Electronic Components
949-623-2900, www.toshiba.com [1]

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