



PCIM Europe 2014, Nuremberg
Visit us in hall 09, booth 311

650V Rapid 1 and Rapid 2 Diode Families

Infineon Enters the Hyperfast Silicon Diode Market



As a perfect partner to CoolMOS™ and discrete IGBTs such as TRENCHSTOP™ 5, the Rapid diode families provide outstanding cost/performance ratio in AC/DC stages, such as PFC stages and free-wheeling diodes in DC/DC stages. Split into two families, the Rapid 1 is V_F optimized for applications switching between 18kHz and 40kHz, whilst the Rapid 2 is Q_{rr} optimized to offer outstanding performance between 40kHz and 100kHz.



Key features and benefits

- 650V repetitive peak reverse voltage as standard for higher reliability
- Temperature stability of major electrical parameters
- Lowest I_{rrm} for improved E_{on} losses of the boost switch
- S-factor $\gg 1$ for outstanding EMI behavior



www.infineon.com/rapiddiodes



Watch the video!