



650V CoolMOS™ C7

Get in Touch with World Leading Performance



Infineon's new CoolMOS™ C7 series is a revolutionary step forward in technology, providing the world's lowest $R_{DS(on)}$ /package to hard switching applications. The fast switching performance of C7 now enables switching frequencies greater than 100kHz whilst achieving titanium levels of efficiency in Server PFC stages. This opens new ways for higher power density.



Key features and benefits of new 650V CoolMOS™ C7

- Increased power density due to higher frequency operation
- Revolutionary Best-in-Class $R_{DS(on)}$ /package
 - Enabling the world's lowest $R_{DS(on)}$ of 19mΩ in a TO-247 and 45mΩ in TO-220 and D²PAK
- Low switching and conduction losses (improved Q_g , E_{oss} , Q_{oss})
- Leads to Efficiency improvements over full load range
- 650V makes it suitable for both SMPS and Solar



For further information please visit our Website:
www.infineon.com/c7

