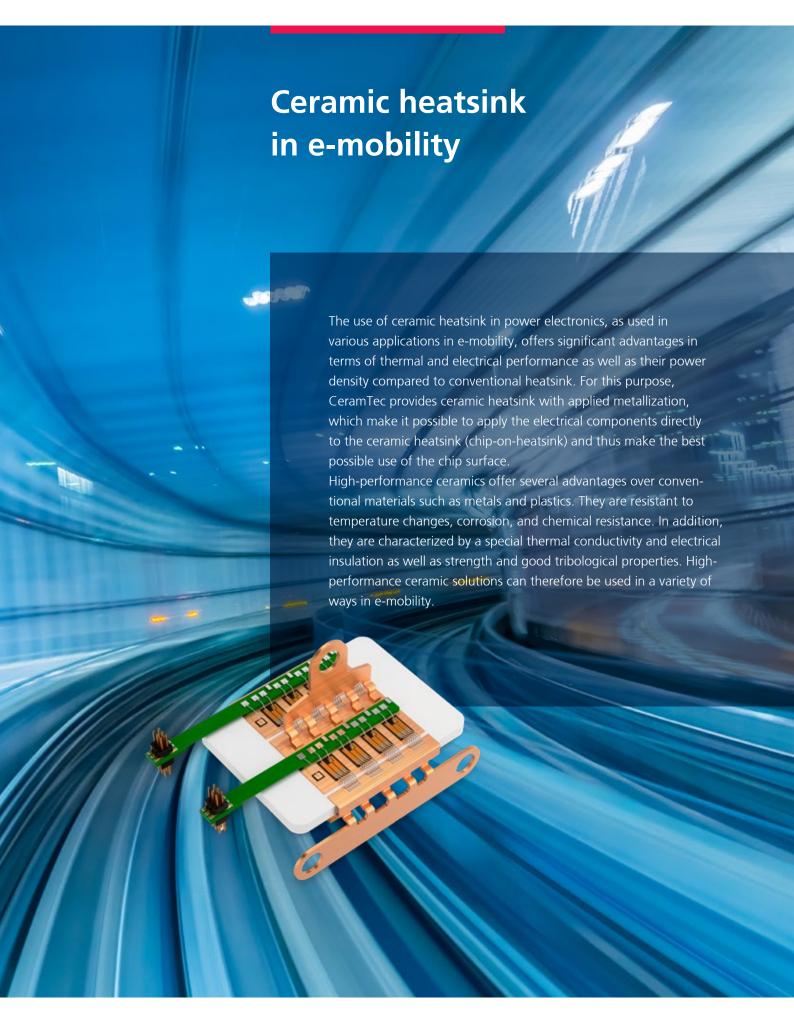
CeramTec







Integrated SiC power module on ceramic heat sink

The integrated SiC power module is based on CeramTec chip-on-heatsink technology. The ceramic heat sink is a cooling structure and circuit carrier in one component, which leads to a significant increase in power density. The design of the ceramic heat sink

enables optimized cooling of the SiC semiconductors on the top of the heat sink. On the underside of the heat sink, the DC link capacitor is integrated with low inductance in the power module via metallization surrounding the heatsink.





Ceramic heat sinks metallized on both sides for the implementation of low-inductance electronic assemblies

