



100 V TrenchFET® Gen V Power MOSFET in PowerPAK® 10 x 12

Best in Class On-Resistance

KEY FEATURES

- Leadership $R_{DS(on)}$ down to 1.1 mΩ
- Outstanding dynamic parameters, including improved Q_g and Q_{gd} switching performance
- Enhanced power dissipation and lower R_{thJC} of 0.21 °C/W
- Standard 10 mm x 12 mm footprint compatible with TOLL package

GREAT THERMAL CAPABILITY OF POWERPAK® 10 X 12 PACKAGE

Low profile and compact dimensions:
9.9 mm x 11.7 mm x 2.3 mm

TO leadless package

APPLICATIONS



POWER
TOOLS



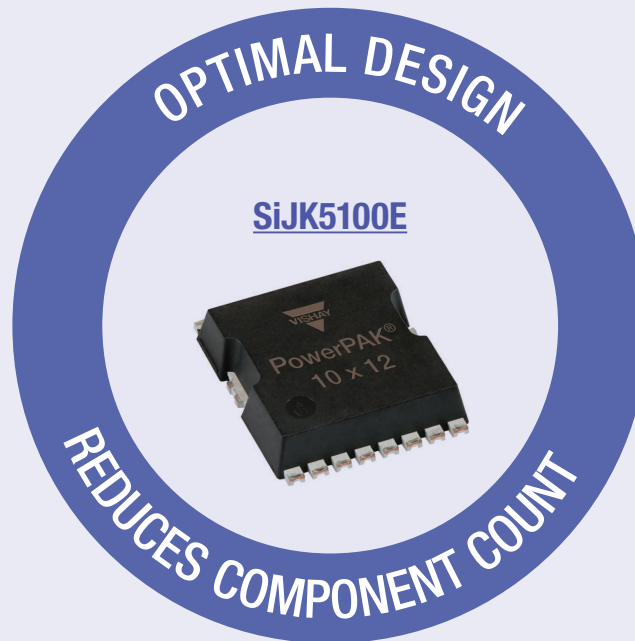
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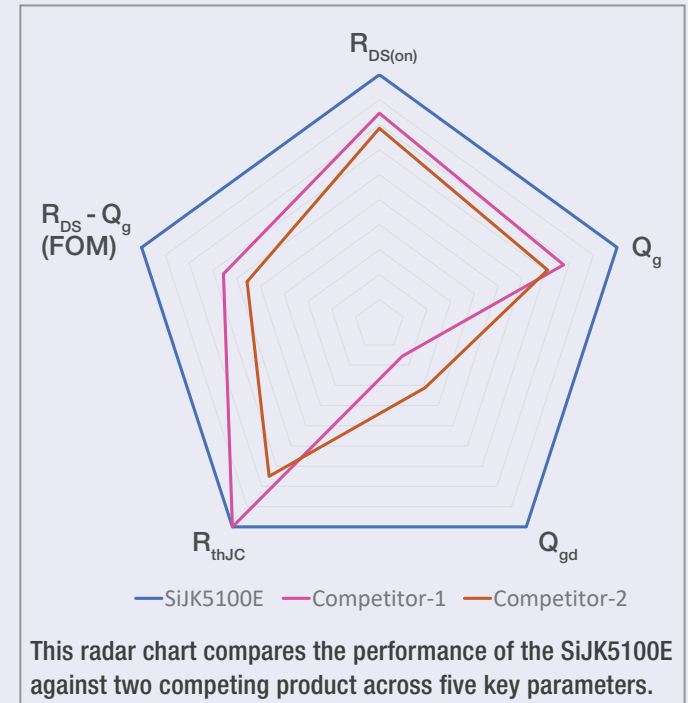


E-BIKES

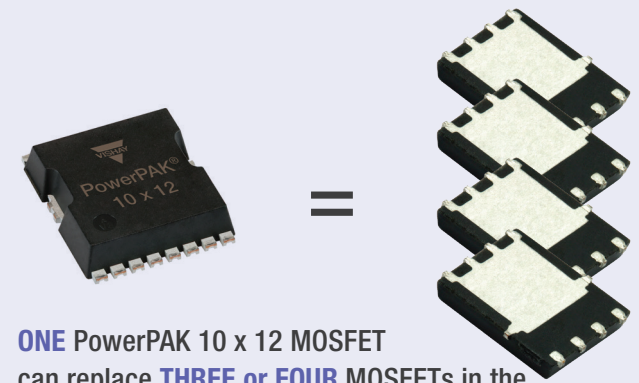


CIRCUIT APPLICATIONS

- Synchronous rectification
- OR-ing and hot swap switching
- Power supplies
- Motor drive control
- Battery management
- Automation



This radar chart compares the performance of the SiJK5100E against two competing product across five key parameters.



ONE PowerPAK 10 x 12 MOSFET can replace **THREE** or **FOUR** MOSFETs in the PowerPAK SO-8.