SIHK050N65E - GEN 4.5 650 V

SUPERJUNCTION MOSFET IN PowerPAK® 10 X 12

UP TO 6 kW POWER SUPPLY SOLUTIONS

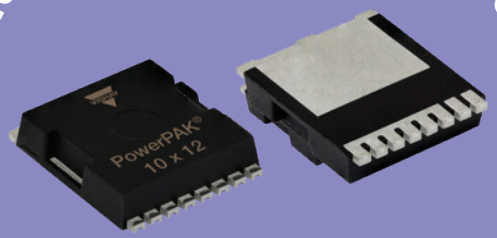
LATEST GEN 4.5 650 V SUPERJUNCTION TECHNOLOGY

- Industry's **lowest** $R_{DS(on)}$*Q_g FOM
- Boosts system **efficiency**
- Enables **higher power rating** and power density
- High I_D **current capability**

APPLICATIONS

- TELECOM
- UPS
- SERVERS DATACENTERS
- GAMING, COMPUTERS
- SOLAR INVERTERS

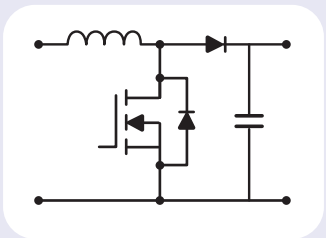
HIGH POWER + HIGH EFFICIENCY



PowerPAK® 10 x 12

+ HIGH POWER DENSITY

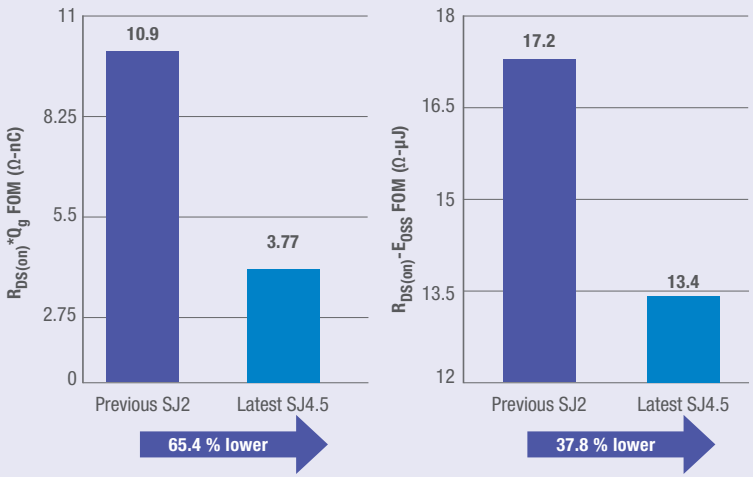
Our **Gen 4.5 650 V superjunction MOSFETs** in the PowerPAK® 10 x 12 package enable higher PFC bus voltages and lower Q_g and E_{oss} to boost efficiency in power systems.



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
- Integrated **Kelvin source** connection

650 V E SERIES SJ MOSFET



BOTH LOWER Q_G AND E_{OSS} BOOST POWER SYSTEM EFFICIENCY

For Technical Questions: pmostechsupport@vishay.com

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