



SiC967: microBRICK® DC/DC Regulator Module

3 mm High, 60 V, 6 A Module With Integrated Inductor

KEY FEATURES

- Single supply operation from 4.5 V to 60 V input voltage
- Output current: 6 A continuous
- Adjustable output voltage down to 0.8 V
- 95 % peak efficiency

CIRCUIT APPLICATIONS

- Synchronous buck DC/DC
- Point of load (POL) conversion
- Battery management system (BMS)
- LED drivers

END PRODUCTS



LED
SCREENS



EBIKES



IOT



INDUSTRIAL
AND SERVER
COMPUTING



SECURITY



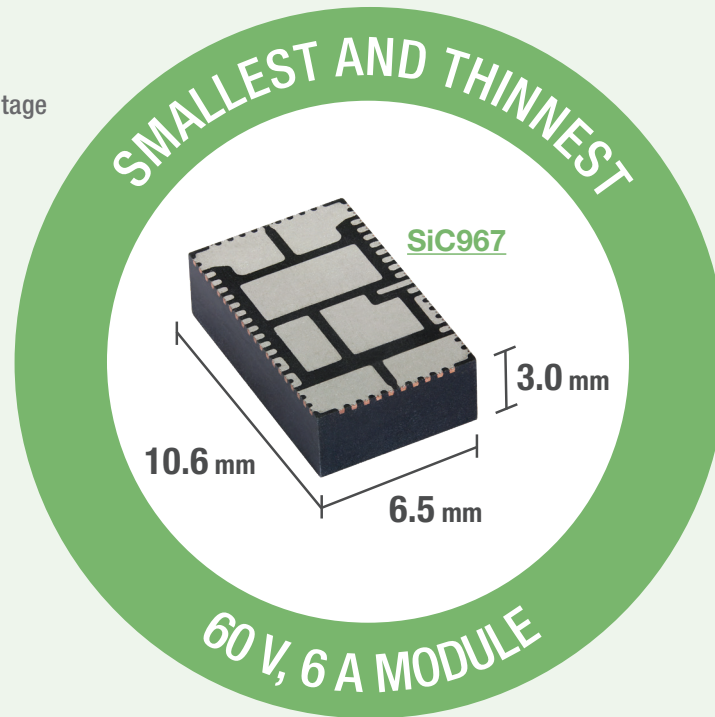
SMART
BUILDINGS



HOME
AUTOMATION



ROBOTICS

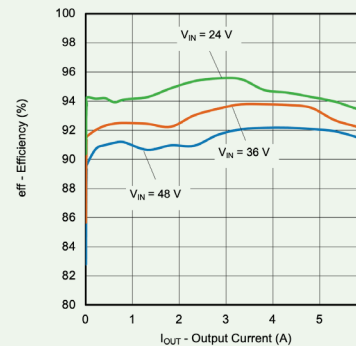


THE POWER OF 4 = 1



Highly integrated microBRICK® POL solutions from Vishay Intertechnology deliver high efficiency while reducing costs

COMPACT
EASY TO USE
PRICE COMPETITIVE
LOW COMPONENT COUNT



SiC967 offers > 95 % efficiency at an input voltage of 24 V and output current of 3 A.

RUGGED AND RELIABLE

- Protection features: OVP, OCP, SCP, OTP, power good flag
- PowerPAK® QFN-style package is easy to handle
- More reliable than LGA / BGA type packages
- Low output capacitance

PowerCAD
simulation tool

Generate your circuit schematic, perform simulations, and automatically generate a BOM



Evaluation Kit
Available