



microBUCK[®] DC/DC CONVERTERS WITH PMBus[®] INTERFACE

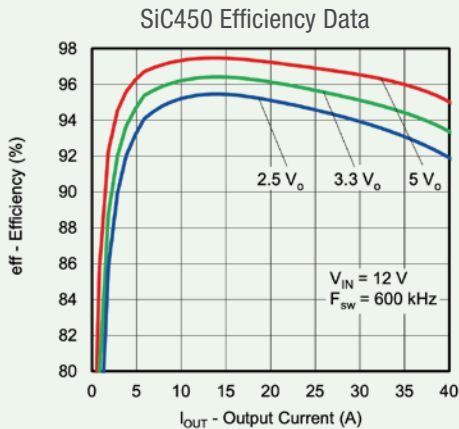
12 A, 15 A, 25 A, AND 40 A OUTPUT, 4.5 V TO 20 V INPUT



UP TO 40 A OUTPUT CURRENT

- 5 mm x 5 mm and 5 mm x 7 mm packages
- Single supply operation from 4.5 V to 20 V input voltage
- Scalable Solution: 40 A (SiC450), 25 A (SiC451), 15 A (SiC453), 12 A (SiC454)
- Wide output voltage from 0.3 V to 12 V with 1 % accuracy over temperature, with remote sensing
- Ultrafast transient response
- PMBus 1.3 compliant for configuration and monitoring

HIGHLY EFFICIENT

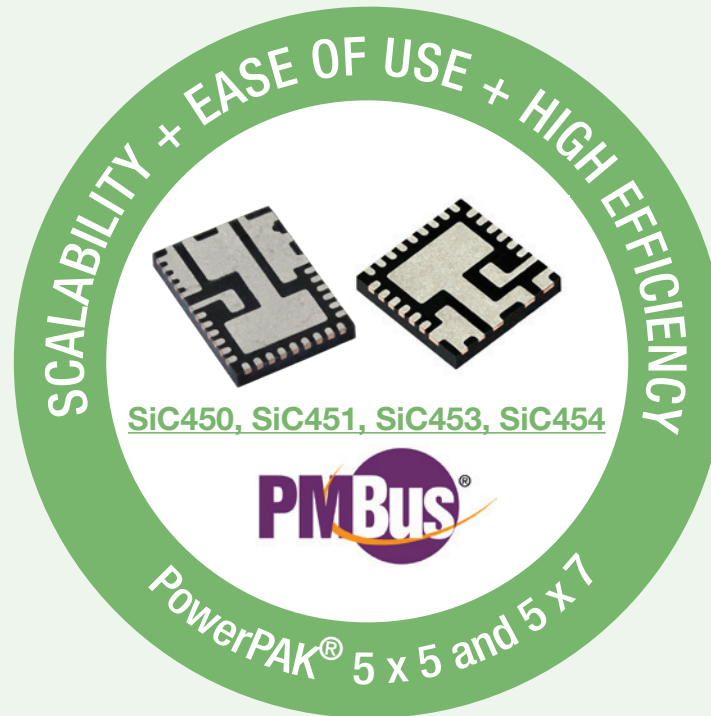


PowerCAD

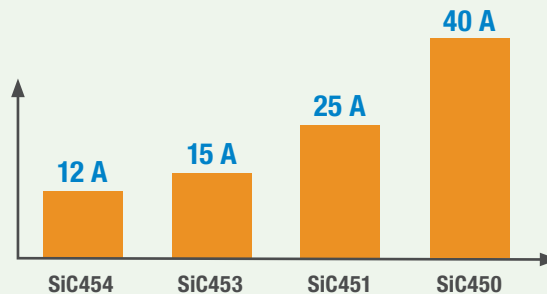
simulation tool

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

www.vishay.com



SCALABLE SOLUTIONS



microBUCK[®] SOLVES TOUGH DESIGN GOALS

- High efficiency
- Small solution size
- Scalability provides cost performance optimization
- Design once, replicate onto multiple sockets with wide range of load currents

EASY TO DESIGN WITH

- Provides greater flexibility to finalize and optimize the design via the PMBus interface
- Supported by Vishay online simulation tool and PMBus graphical user interface

MARKETS



TELECOM



INDUSTRIAL



DATA CENTER



CONSUMER

APPLICATIONS

- High frequency and high efficiency POL
- FPGA and ASIC core, memory power
- High density POL for telecom, networking, and cloud computing

For technical questions: powerictechsupport@vishay.com

© 2023 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

IG19966408-2303