



# microBUCK<sup>®</sup> DC/DC CONVERTERS WITH PMBus<sup>®</sup> INTERFACE

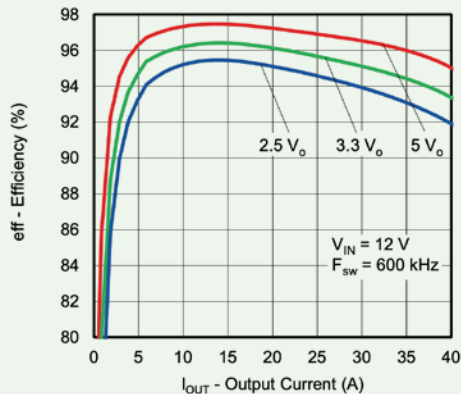
## 15 A, 25 A, AND 40 A OUTPUT, 4.5 V TO 20 V INPUT

### UP TO 40 A OUTPUT CURRENT IN 5 mm X 7 mm PACKAGE

- Single supply operation from 4.5 V to 20 V input voltage
- Scalable Solution: 40 A (SiC450), 25 A (SiC451) and 15 A (SiC453)
- 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

SiC450 Efficiency Data



## PowerCAD

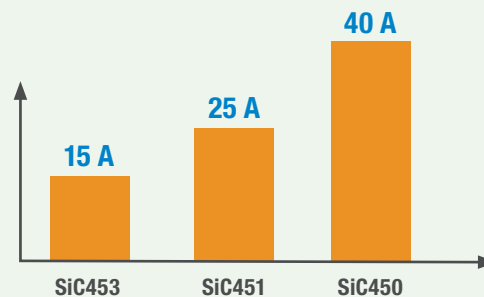
simulation tool

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

[www.vishay.com](http://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](mailto:powerictechsupport@vishay.com)

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