



# SiC951: microBRICK<sup>®</sup> DC/DC Regulator

## 3 mm High, 25 A Module With Integrated Inductor

### KEY FEATURES

- Single supply operation from 4.5 V to 20 V input voltage
- Output current: 25 A continuous with 30 A peak
- Adjustable output voltage from 0.3 V to 5.5 V
- 97 % peak efficiency
- PMBus 1.3 compliant with 1 MHz bus speed
- Replacement for Intel Enpirion EM2120x01QI

### CIRCUIT APPLICATIONS

- Synchronous buck DC/DC
- Point of load (POL) conversion

### APPLICATIONS



DATA STORAGE



DDR MEMORY



DISTRIBUTED POL

### END PRODUCTS



SERVERS



ROUTERS



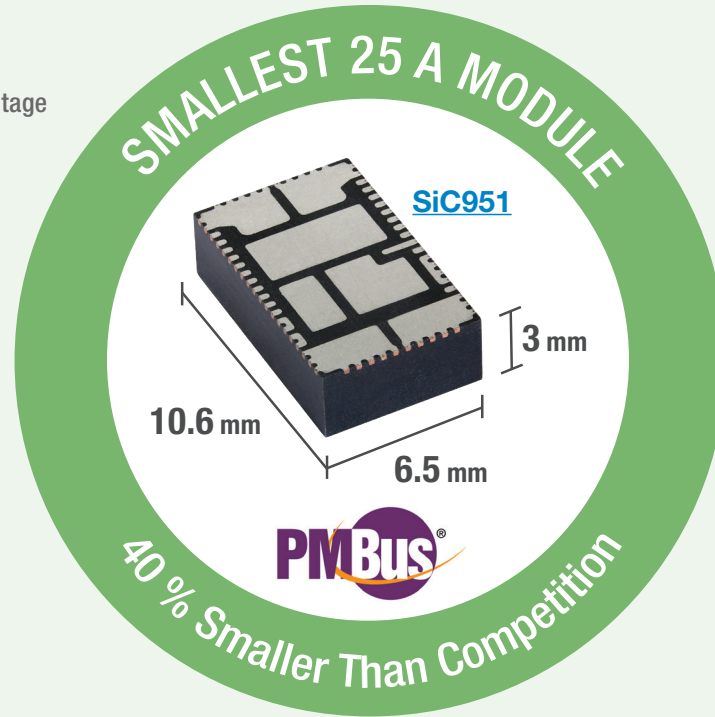
5G COMMUNICATION UNITS



DATA CENTERS



NOTEBOOK COMPUTERS



### THE POWER OF 4 = 1

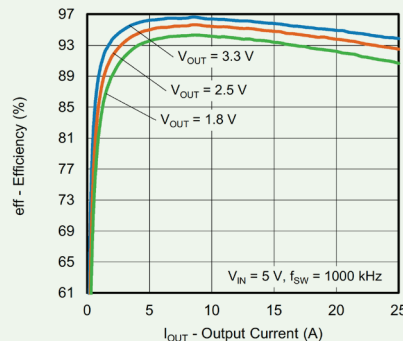


Highly integrated microBRICK<sup>®</sup> POL solutions from Vishay Intertechnology deliver high efficiency while reducing costs



### RUGGED AND RELIABLE

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



The SiC951 offers 97 % efficiency at an input voltage of 5 V and an output voltage of 3.3 V.

For technical questions: [powerictechsupport@vishay.com](mailto:powerictechsupport@vishay.com)

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**PowerCAD**  
simulation tool

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



Evaluation Kit and PowerUP GUI Available