



SiC951: microBRICK® 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



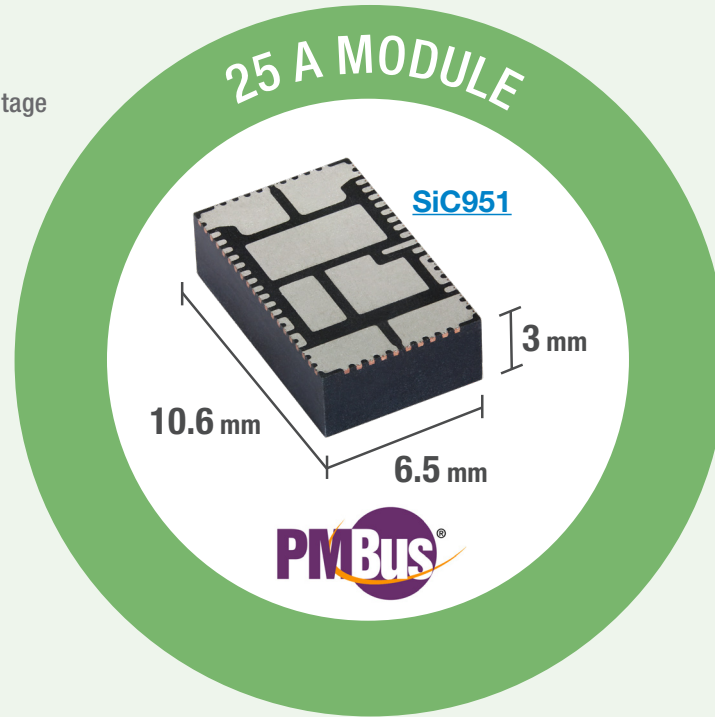
5G COMMUNICATION UNITS



DATA CENTERS



NOTEBOOK COMPUTERS



THE POWER OF 4 = 1

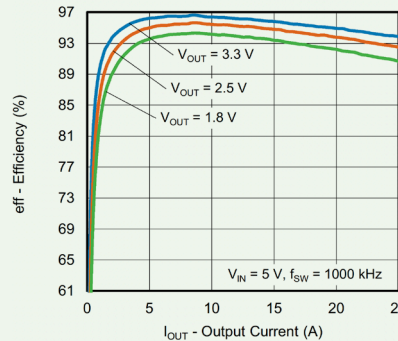


Highly integrated microBRICK® POL solutions from Vishay Intertechnology deliver high efficiency while reducing costs

- COMPACT
- EASY TO USE
- PRICE COMPETITIVE
- LOW COMPONENT COUNT

RUGGED AND RELIABLE

- Protection features: OVP, UVP, OCP, SCP, OTP, power good flag
- PowerPAK® 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

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PowerCAD
simulation tool

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



Evaluation Kit and PowerUP GUI Available