

Ericsson's quarter brick DC/DC converter offers high performance *and* is cost effective

For use in distributed power architectures used in internetworking equipment in wireless and wired communications applications, Ericsson Power Modules' PKM4000D series of DC/DC converters offers designers a cost effective yet high performance solution in the competitive quarter brick product market sector. As such, the converters occupy a unique position making them very suitable for use in telecom and datacom equipment, but also a 'first choice' component for industrial and many other applications. The need for this type of product is being driven by cost reduction programs initiated in the telecom and datacom industries.

Developed on a bulletproof platform, the family is designed specifically to provide an optimized cost/performance ratio for today and tomorrow's applications. As part of Ericsson Power Modules' third generation of dc/dc power modules, the PKM-D family offers - without compromise - the best alternative to cost reduction programs when using quarter bricks up to 40A. The first two products, PKM4110D and PKM4119D are rated at 3.3V @ 35A and 2.5V @ 40A respectively. The PKM-D family will also embrace converters with voltage outputs of 1.2, 1.5, 1.8, 5.0 and 12.0V.

The fully DfE and RoHS compliant converters offer high efficiency figures thanks to the use of a unique patented synchronous rectification technique developed by Ericsson Power Modules' for use in its higher power series of converters to achieve outstanding efficiency at high currents and low voltages. This technique provides a low component count and thus provides greater reliability at lower cost. The converters feature a highly optimized layout that reduces hotspots to an absolute minimum. These factors are combined to create a family of products with outstanding reliability.

Featuring an input voltage range of 36 to 75V, the PKM-D platform uses an integrated magnets design to achieve its compact, quarter brick format. All models in the family offer current limit, overvoltage, and over temperature protection. Other features include remote sensing, output voltage adjust (Vadj), and remote control.

Ericsson is shaping the future of Mobile and Broadband Internet communications through its continuous technology leadership. Providing innovative solutions in more than 140 countries, Ericsson is helping to create the most powerful communication companies in the world.

FOR FURTHER INFORMATION, PLEASE CONTACT

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About Ericsson Power Modules

Ericsson Power Modules is a supplier of world-class DC/DC power modules for distributed power architectures. With its global design, development, manufacturing and sales network Ericsson Power Modules is a leading supplier of power solutions to meet the customer demand for high performance.