

DC/DC modules are DfE and high performance at standard module prices

Manufactured to be lead, halogen and bromine free, Ericsson Power Modules' half brick, high performance PKJ4000E series DC/DC converters are available at the same cost as competing products that are not environmentally friendly.

Compared to modules that are DfE (designed for environment), the PKJ4000E series offer price savings of around 25%. With 48V inputs, the converters are initially available in single output models and are suitable for on-board power solutions in distributed power architectures in telecom, datacom and other demanding applications.

The PKJ4810E PI is an open frame product using synchronous rectification to provide 3.3V at 25A, 82.5W out, and giving up to 92% efficiency at nominal input voltage. The PKJ4000E single platform supports a wide range of output voltage ranges down to as low as 0.9V, and up to 6.5V. Ericsson currently offers eight different modules between those voltages, and will continue to roll out new output voltages to meet market needs.

Measuring just 8.5mm high, the converter is ideal for applications with board spacings down to 15mm, and being an open frame design with all components mounted on the bottom side, it offers good thermal performance and a wide temperature range. Low weight also contributes to less mechanical stress and vibration problems upon the host equipment for increased reliability.

By taking a proven high efficiency electrical solution (PKN), increasing the power and offering it in an industry standard foot-print and pin-out, Ericsson is able to offer high performance, environmentally friendly design, together with a very competitive pricing structure.

Aimed at all users of half brick products including for use with existing designs and new ones, the PKJ4000E series is particularly aimed at demanding applications where cost is a critical factor. The market trend in telecommunications is for power consumption per board to increase, plus the density of boards per shelf to increase also. Additionally there is a transition taking place from natural convection to more forced air cooling applications, creating a market need for high efficiency, DfE, low cost DC/DC converters like the PKJ4000E series.

Ericsson Power Modules' PKJ4810E PI is now available for order and is priced at \$42/piece for 1,000+ quantities.

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

Patrick Le Fèvre, Marketing Director

Ericsson Power Modules AB

Phone: +46-8-568 695 07

Fax: +46-8-568 695 99

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If printing an Internet address please use Power Modules homepage and/or phone number to our International sales office:

URL: www.ericsson.com/powermodules

Europe: +46-8-568 696 20

U.S.A.: +1-972-583 6910/5254

China: + 86-21-5990 3258

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.