

## **Ericsson's pinned version DC/DC module is environmentally friendly and fully compatible with previous platform**

**Offering users a pinned version of its MacroDens PKR DC/DC module, Ericsson Power Modules' PKR-PI is based on the same proprietary, market-leading, board-to-board technique that was developed to reduce the amount of molding. The technique also makes the products more environmentally friendly, easier to recycle at end-of-life, and they are fully compliant with all relevant standards and regulations. This means the PKR-PI (pin version) is an evolution of this latest platform, offering downgrade compatibility and full interoperability with the original through-hole version of Ericsson's MacroDens PKF module.**

The PKR-PI is aimed at customers who do not require surface-mount modules and prefer conventional, through-hole assembly methods and the deployment of pinned modules. The modules will be particularly attractive to existing MacroDens PKF-PI customers who wish to migrate to Ericsson Power Modules' latest DfE platform, the PKR-PI.

Due to the variety of input voltages offered by the MacroDens PKR series, the product is suitable for a wide range of applications such as ICT (information and communication technology), industry, transportation, process control and many others.

Based on an optimized platform that reduces environmental impact, simplifies the manufacturing process and reduces costs, the PKR-PI is an excellent product when customers are considering DfE and cost reduction programs. By simplifying the mechanical design and assembly processes, and the use of proprietary control circuits, PKR-PI is optimized for cost efficiency. The product has been designed to avoid the use of unnecessary chemicals and processes, and its low weight reduces transportation costs and energy consumed during manufacturing.

Extremely reliable, the PKR-PI boasts a 7.2 million-hour predicted MTBF figure at 40C ambient temperature. With a low profile, the PKR-PI's height of less than 9mm enables it to be used in tight board-spacing applications.

A wide range of 22 ratings is available for use in industrial through to 48V telecom applications, and features a wide input range for combined 24/48V applications. As an extension of the PKR surface mount (SI) range, all ratings are now available in SI and PI formats.

Drawing on design experience that has led to more than 34 million PKF MacroDens being shipped to market, the PKR-PI benefits greatly from

Ericsson Power Modules' long-term expertise in volume production, and with a failure rate of less than 100ppm, an outstanding quality level too.

The result of Ericsson Power Modules' long-term research to reduce environmental impact and to make products more efficient: the company is the first to introduce board-to-board techniques for such a product.

*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 the Power Modules homepage and/or the phone number to our international sales office.

URL: [www.ericsson.com/powermodules](http://www.ericsson.com/powermodules)

Europe: +46-8-568 696 20

USA: +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 customer demands for high performance.