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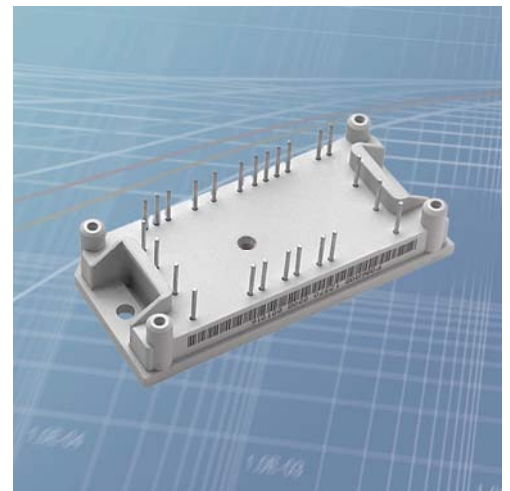
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Vincotech releases high efficient inverter module

*The P589-A31 expands the **flowPIM 1** product family by a module for high switching frequencies*

Munich, Germany – March 2, 2009 – Today Vincotech, supplier of module-based power electronic solutions, announced the release of a new member of the **flowPIM 1** product family. The P589-A31, consisting of an input rectifier and an inverter circuit, perfectly matches the requirements of fast switching motor drives. These are often seen in audible noise sensitive environments, such as air conditioning, fans, and pumps. A common feature of all these application areas is a switching frequency of >16kHz, above the audible range. Further application areas include high dynamic motor drives, e.g. servo drives.



P589-A31 in flow1 housing

The disadvantages of fast switching are the increased switching losses and therefore lower energy efficiency. In times of increasing energy costs and the growing importance of environmentally conscious behaviour, energy efficiency is becoming increasingly important. The new power module P589-A31 is the perfect solution. It uses special semiconductors, which have significantly lower switching losses compared to the standard components.

The new module features the “phantom speed” IGBTs. These components have much lower switching losses at higher frequencies than standard IGBTs. For switching frequencies >8kHz, the 25A phantom speed chips are more efficient than 35A IGBT4 chips. At 20 kHz, the power loss is lower by 24%, making an output power of 10kW possible, which could only be achieved using 50A to 75A standard IGBT4 components. Because the power losses are much lower, the heat sink can also be sized down. By choosing the P589-A31, the application will not only have much higher energy efficiency, but can also save component costs.

The P589-A31 is part of the **flowPIM 1** product family and is mechanically fully compatible to all other family members. This means the module can be used in existing applications, designed with other

flowPIM 1 products, without the need for a mechanical redesign.

Mass production of the P589-A31 has just started, samples are available. For further information, please go to: http://www.vincotech.com/Power_Modules.0.html

Vincotech is a registered trademark

ABOUT VINCOTECH

Vincotech develops and manufactures subsystems and electronic components and offers manufacturing services geared to help customers to master complex challenges in electronics integration. Vincotech's extensive portfolio encompasses standard and tailored solutions, engineering services, and technical support for customers worldwide. These products and services contribute to sustainable, environmentally sound solutions that help modern society embrace mega-trends and explore new avenues. With approximately 600 employees worldwide, backed by vast experience and a long history in electronics integration, Vincotech leverages these assets to help customers achieve maximum market success. To learn more about Vincotech, please visit the company's website at www.vincotech.com

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