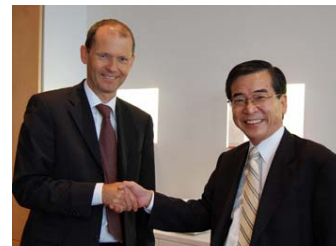


Press Release



Fuji Electric and Semikron Team Up

Two global players combine their strengths to offer power electronic components for the industrial drives market

Nuremberg, 7 November 2008 Fuji Electric Device Technology Co., Ltd. , Japan, leading global manufacturer of power semiconductor components in the third-highest ranking of worldwide IGBT module supplier market share (source: Worldwide market for power semiconductor discretes and modules 2008, IMS-Research) and Semikron International GmbH, Germany, market leader for diodes and thyristor modules with a 37% market share (“Worldwide market for power semiconductor discretes and modules 2008”, IMS-Research) and expert in packaging technology for power semiconductor modules, signed a supply and licence agreement at Semikron in Nuremberg. Fuji Electric will supply IGBT semiconductor chips to SEMIKRON; in return Semikron will supply Fuji Electric with freewheeling and rectifier diode chips, and module cases in spring contact technology. Power modules with spring contacts will be manufactured by Fuji Electric under licence.

Under this co-operation, the two companies are forging the basis for mutual supply of power semiconductor chips. With the new freewheeling diode and rectifier diode chips from SEMIKRON and the IGBT chips from Fuji Electric, both companies are expanding their product range to offer customers the optimum chip/module combination for a given application. By using the same spring contact technology Fuji Electric and SEMIKRON are able to increase the market penetration for industrial drives, power supplies and home appliances. This matches the second source policy of customers.

“This venture opens up new horizons for both parties”, states Dirk Heidenreich, CEO of Semikron International. “The MiniSKiiP and SEMiX concept, which allows for solder-free connection to the controller, reduces the production costs incurred in inverter production”. The MiniSKiiP and SEMiX modules from Fuji Electric and Semikron are set to meet the

demands of the fast growing market for power modules with spring contact technology. The modules are used mainly in the industrial market, for instance in electric drives, power supplies and welding.

“With modules in spring contact technology, we will be able to conquer new market segments in the power electronics market not only for industrial drives, but also for power supplies and home appliances,” stated Dr. Hisao Shigekane, President and Representative Director of Fuji Electric Device Technology. “We are convinced that our constant efforts to combine our chip know-how of the both companies in the power semiconductor modules will provide customers with the best solution and the highest quality.”

Features of spring contact

Spring contacts allow for electrical connection without the use of solders. No solders in turn means no aging in solder joints. Spring contacts are therefore highly resistant to shock, vibration and corrosion and boast excellent thermal cycling properties, even in harsh ambient conditions. The controller can be easily screwed onto the module, as electrical connection is established through the pressure applied by the spring contacts.

Picture: Dirk Heidenreich, CEO of Semikron International and Dr. Hisao Shigekane, President and Representative Director of Fuji Electric Device Technology sign the agreement.

About Fuji Electric Device Technology (FDT)

FDT, one of core operating companies of Fuji Electric Holding Co., Ltd., whose group has been a front runner in the power electronics field since its foundation in 1923, acts globally in three business segments: power semiconductor devices, storage devices and imaging devices and boasts excellent technological capabilities in each segment under the message “Step Forward, Raise Value”. Particularly, in the field of power semiconductor components FDT has striven to always provide market-leading products and services for our customers by optimally utilizing unique technologies inherited from the group. FDT earns already a top level reputation as world’s foremost brand among leading manufacturers in the market of industrial power conversion equipment and unit.

Products

FDT is supplying totally ca. 10,000 different type of discrete components (diodes, MOSFETs, control ICs for power supplies, pressure sensors & intelligent power switches) and power

modules for power supplies, AC drives, UPSs and automotive application. FDT promises to provide the industry's highest quality under the message "Step Forward, Raise Value".

For more information, visit www.fujielectric.com. and www.fujielectric.com/device/semi

About SEMIKRON

Founded in 1951, German-based Semikron is a family enterprise that employs 3000 people worldwide. Semikron comprises of a global network of 35 companies with 10 production sites that guarantees fast and competent on-site customer care. SEMIKRON is market leader in the field of diode/thyristor modules, enjoying a 37% share of the worldwide market. (source: IMS Research, "The worldwide market for power semiconductor discretes and modules" 2008).

Products

Semikron's product range consists of 11,600 different power semiconductors, including chips, discrete diodes/thyristors, power modules (IGBT / MOSFET / diode / thyristor), driver and protection components and integrated subsystems.

Applications:

"Semikron inside" has become a trade mark for young developing markets such as electric drives, wind power generators, solar power, electric vehicles, welding machines, lifts, power supplies, conveyor belts and trams. As a significant innovator in the power electronics sector, many of Semikron's progressive developments have been accepted as industrial standards.

For more information, visit www.semikron.com.

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Feature of MiniPIM

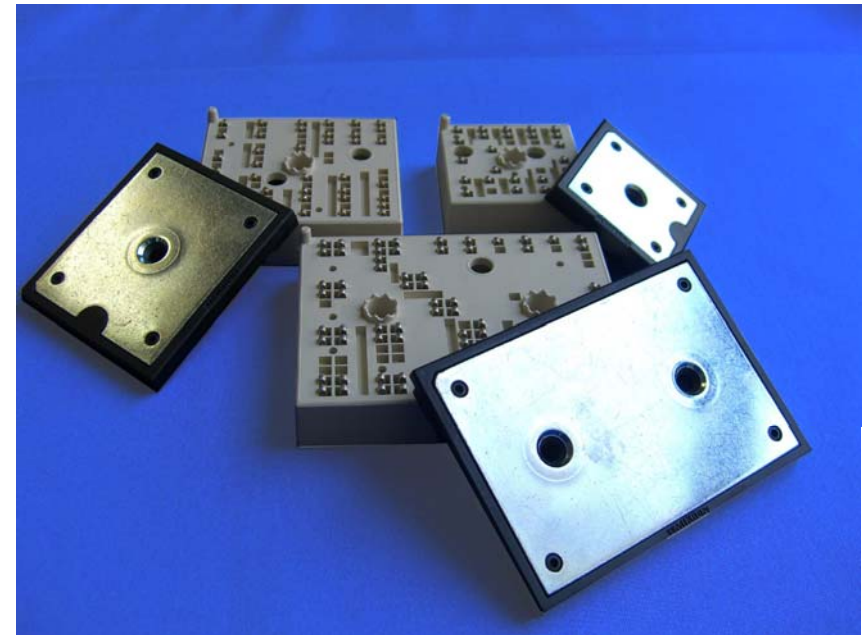
1. Technical feature:

- 1) **Base-plate-free**
 - high thermal cycling endurance
- 2) **Easy assembling**
 - mounting by only 1 or 2 screws
- 3) **Compact PIM**
(PIM: Power Integrated Module)

2. Line up

PKG	rating		Type name
MiniPIM1	8 A		7MBR8VJA120-50
	15 A		7MBR15VJA120-50
MiniPIM2	25 A	1200V	7MBR25VJB120-50
	35 A		7MBR35VJB120-50
MiniPIM3	50 A		7MBR50VJC120-50
	75 A		7MBR75VJC120-50
	100 A		7MBR100VJC120-50

3. Outer view:



right front: MiniPIM3 left: MiniPIM2
right behind: MiniPIM1

4. Mass production schedule: from Q4 of FY2009 (plan)