

PRESS RELEASE

Next level cooling: New micro-compressor for electronics cooling

Martinsried, 16-Sep-11 – The improvement of CO₂-Footprint of Electronics with high power density was one of the targets for the invention of an innovative, now available, micro-compressor.



Nine invention patents and four industrial design patents were registered for the micro-compressor. The product uses no internal oil, which helps protect the environment and allows it to be installed in any position without affecting its operation. Moreover, this product has a high degree of energy efficiency.

The “model 50”, which just entered into large-scale production, has cooling capacity of 250W combined with a condensation temperature of 20°C/65°C. The micro-compressor has a diameter of 66mm, a length of 168mm, a weight of 1.4kg, a tension of 24VDC and a gainable COP of 2.5. An electronic board for the control of the compressor is part of the delivery contents.

The cooling through steam compression becomes attractive, when a high energy efficiency and a better performance have to be gained than with air-, liquid- or thermoelectric cooling.

Electronics- and cooling system developers can use the compact size, the low weight, and the micro-compressors ability to be used in a large number of applications to design powerful, miniaturized cooling systems.

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