

> (New) Thermal Interface Materials

Outstanding thermal performance

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Beside a standard silicone based and a silicon free thermal grease, a phase change material and the new high performance thermal paste with an improved thermal performance are now available. SEMIKRON formulated a clear strategy that phase change materials will be applied on modules with baseplate only and thermal greases on modules without a baseplate. The new high performance thermal paste is the SEMIKRON solution to boost the performance for modules without baseplate. A reduction of the thermal resistance by up to 50% is possible which goes along with a module output power increase by up to 25% or a lifetime enhancement by several decades. The new high performance paste will be available for all baseplate-less power modules.

Photo: SEMIKRON_Pressphoto_ThermalPerformance

About SEMIKRON

SEMIKRON is one of the world's leading manufacturers of power modules and systems primarily in the medium output range (approx. 2 kW up to 10 MW). Our products are at the heart of modern energy efficient motor drives and industrial automation systems. Further application areas include power supplies, renewable energies (wind and solar power) and utility vehicles. SEMIKRON's innovative power electronic products enable our customers to develop smaller, more energy efficient power electronic systems. These systems in turn reduce the global energy demand.

SEMIKRON is a family owned business founded in 1951, headquartered in Nuremberg, Germany. Today the company has a staff of more than 2,900 people in 25 subsidiaries world-wide. This international network with production sites in Germany, Brazil, China, France, India, Italy, Korea, Slovakia and the US ensures fast and comprehensive service for customers. By establishing the ONLINE SHOP in 2009, SEMIKRON increased its presence for customers. The SEMIKRON

ONLINE SHOP offers 24-hour availability and world-wide access with multi-language sales and technical support.

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