

Press Release

Heraeus Electronics to Present “Al₂O₃, ZTA, AMB and What’s Next?” at PCIM Europe

Heraeus Electronics today announced that Bastian Schlüter, Global Product Manager Metal Ceramic Substrates, will present during the E-Mobility Forum at PCIM Europe. The presentation entitled, “Al₂O₃, ZTA, AMB and What’s Next?” is scheduled to take place May 11, 2022 at 12:50 p.m.

E-mobility applications and rising customer expectations put pressure on the reliability, thermal performance, lifetime and price of metal ceramic substrates. Heraeus Electronics offers with Condura® a comprehensive substrate portfolio supplemented by a variety of services beyond. DCB-Al₂O₃ substrates (Condura®.classic) are the long-proven standard. For higher mechanical performance Zirconia-toughened DCB-Al₂O₃ (ZTA) substrates (Condura®.extra) are the material of choice.

Excellent mechanical properties and a high thermal conductivity make Active Metal Brazed (AMB) Si₃N₄ substrates (Condura®.prime) an ideal material for high-reliable e-mobility modules. This year we welcome a new member to the Condura® family. Look forward to the next generation of substrates that combines individual advantages to one new substrate material.

Heraeus Electronics offers a comprehensive portfolio of metal ceramic substrates to address the diverse needs of the power electronics segment, ranging from low-power application up to the most demanding industries. The Condura® portfolio consists of Condura®.classic (DCB-Al₂O₃), Condura®.extra (DCB-ZTA), and Condura®.prime (AMB-Si₃N₄).



Heraeus’ Metal Ceramic Substrates are recommended for power electronic modules (e.g., current inverters) using MOSFETs or IGBT semiconductor elements and diodes for widespread application fields in the industrial sector: electric motor drives, e.g. in tooling machines, cranes, textile-processing equipment, automation equipment, etc.

The E-Mobility Forum discusses the entire value chain around the topic of electromobility in specialized lectures. New developments and challenges in power electronics for different applications (electric, hybrid and fuel cell vehicles, charging infrastructure, payment systems, etc.) will be considered.

To learn more about Heraeus Electronics’ sinter products visit www.heraeus-electronics.com.

About Heraeus

Heraeus, the technology group headquartered in Hanau, Germany, is a leading international family-owned portfolio company. The company’s roots go back to a family pharmacy started in 1660. Today, the Heraeus group includes businesses in the environmental, electronics, health, and industrial applications sectors. Customers benefit from innovative technologies and solutions based on broad materials expertise and technological leadership. In the 2020 financial year, the FORTUNE Global 500 listed group generated revenues of €31.5 billion with approximately 14,800 employees in 40 countries. Heraeus is one of the top 10 family-owned companies in Germany and holds a leading position in its global markets. Heraeus Electronics, a global business unit of Heraeus, is an expert for materials and matched material solutions for the electronics packaging.

About Heraeus Electronics

Heraeus Electronics is a leading manufacturer of materials for the assembly and packaging of devices in the electronics industry. The company develops materials solutions for the automotive, power electronics and advanced semiconductor packaging market and offers its customers a broad product portfolio - from materials and material systems to services.

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