

PRESS RELEASE

Aismalibar to attend PCIM 2024

Jun 3, 2024

Aismalibar will be attending PCIM 2024 in Nuremberg, Germany from June 11th to 13th, presenting new cooling technologies for power electronics, specifically Thermal Interface Materials (TIMs) and Insulated Metal Substrates (IMS). PCIM is the leading international exhibition and conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management. The exhibition and conference are the international meeting point for the industry. Aismalibar will exhibit in booth 449 Hall 9 of the Nuremberg Exhibition Grounds.

Aismalibar Thermal Interface Materials have been designed to improve dielectric isolation and fast thermal transmission in power electronics and battery packs among others, taking into consideration cost reduction, lifetime performance, safety, and reliability.

Thermal Interface Materials are divided into two main areas, differentiated based on whether they need dielectric capacity. The dielectric requirement is determined by the electronic device, its operating voltage, and the applicable regulations regarding ground insulation. Additionally, Aismalibar has developed a series of applicable surfaces on the TIMs, differentiated by whether they need to be self-adhesive. Both surfaces serve, in turn, to reduce the air cavities that exist between the surfaces of the TIMs and the heatsinks or electronic components.

Aismalibar has a wide range of thermal management solutions, but this year it will focus on presenting the following new products:

- The BOND SHEET CURED GLASS FREE is used for Thermal Interface material in power electronics and battery isolation with 3,2w/mK and 4 to 6Kv dielectric strength.
- Thermal FR4 used in PCB manufacturing to improve thermal management and reduce thermal vias. The use of the Aismalibar thermal FR4 can reduce a 15% d the operating temperature of power components by improving the output or extending the life of the component.
- Insulated Metal Substrate COBRITHERM ULTRATHIN 5W and 8W used in high-end power AC/DC converters and high-power LED industry.
- And COBRITHERM ALP, made from an Aluminium base coated with a 100-micron dielectric ceramic layer with extra low thermal resistance and high dielectric strength up to 6KV. It is ideal for building battery housing, covers, partitions or radiators, power electronics and comfortable heat sinks, among other solutions. It is completely insulated and guarantees excellent contact between the battery and dissipation elements.

ABOUT AISMALIBAR

Founded in 1934 and based in Barcelona, Spain, Aismalibar manufactures high-end Copper and metal-clad laminates and Thermal Interface Materials. Aismalibar expertise lies in offering the best solutions to reduce the operational temperature of Printed Circuit Boards and their components, ensuring both quality and reliability. At the production plant in Barcelona – a strategic technological hub – Aismalibar develops, manufactures, and markets the latest advances in laminates for the production of printed circuit boards to offer customers a global and personalized service guaranteed through their global subsidiaries.

Aismalibar goal is to reduce the operating temperature of electronic components, thereby prolonging their operating life and optimizing performance. Furthermore, the materials minimize the use of supplementary fans or heat sinks, thus reducing production costs. Since 2009 all the insulated metal substrates (IMS) have been ISO/TS 16949: 2009 certified, RoHS Compliant and halogen-free. All materials have secured UL certification, among others, for the entire Aismalibar product range.

Aismalibar products are utilized in a variety of different technology market segments such as LED lighting, telecommunications, automotive, renewable energies, home appliances, railway transport, aerospace, energy storage and industrial management systems. The company has evolved to become an unquestionable global leader. Aismalibar is committed to ensuring a guarantee of reliability and service in electronics.

PCIM Europe – Excelling in Power Electronics

As the leading international exhibition and conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management, the PCIM Europe is the international meeting point for the industry. In addition, PCIM Europe offers further formats to keep the community up-to-date throughout the year.

PCIM Europe Exhibition and Conference

At the international event for power electronics and its applications, representatives from industry and science meet, trends and developments are presented to the public for the first time, and the entire value chain is represented – from components to intelligent systems.