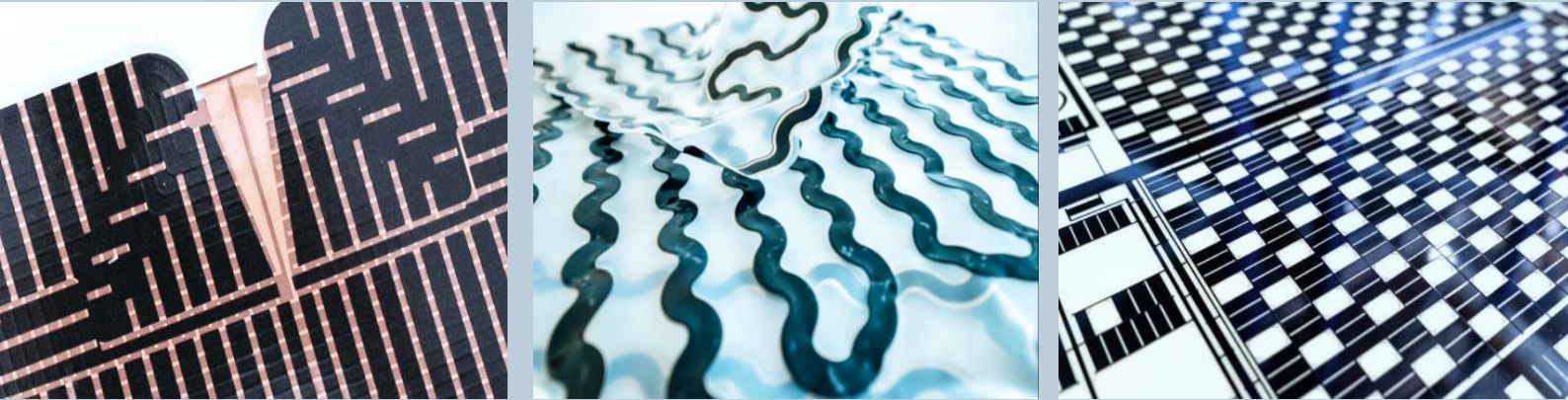




PRINTED PTC HEATERS

Introducing our revolutionary flexible Printed PTC Heater Technology, a game-changing advancement in the realm of heating technology.



Introducing the groundbreaking world of Printed PTC Heating Technology, a revolutionary leap forward in the field of heating systems. Our Printed PTC Heaters are at the forefront of innovation, harnessing the power of advanced printed electronics. These heaters offer unparalleled advantages for a multitude of applications. Utilizing cutting-edge technology, our Printed PTC Heaters are designed to redefine your heating experience. The key feature of these heaters is their Positive Temperature Coefficient (PTC) effect, ensuring self-regulation of temperature. This breakthrough technology enhances safety by preventing overheating, making our heaters incredibly reliable. Our Printed PTC Heaters come in a variety of configurations to suit your specific needs, whether it's for industrial, commercial, or residential use. The electrodes, combined with precision-engineered carbon ink layers, guarantee superior performance and efficiency.

SPECIFICATIONS

- Voltage Range: 9 VDC up to 1000 VDC
- Power density: up to 50.000 W/m²
- Temperature Range: -40 °C to 120 °C
- Integration Method: Lamination, Back-Injection-Molding, Back-Foaming, Adhesive Bonding
- Stabilization Temperatures: 40°C, 62°C, 90°C, 120°C

ABOUT ATT

ATT is a leading provider of surface heating systems utilizing thermoelectric heating polymers. With a focus on the Automotive industry, the company also offers solutions for Aerospace and Architecture applications. In addition to surface heating systems, ATT is continuously advancing their offerings with the development of advanced sensors including ultra-thin real-time temperature sensors, hot-spot sensors for batteries, icing sensors for aircraft wings, and printable NTC sensors based on proprietary technologies.

BENEFITS

- Self-Regulation: Printed PTC Heaters have a Positive Temperature Coefficient (PTC) effect, which enables them to self-regulate their temperature, preventing overheating and enhancing safety.
- Energy Efficiency: PTC heaters are more energy-efficient as they automatically reduce power consumption as they reach their desired temperature, saving you on energy costs.
- Precise Temperature Control: The PTC effect allows for precise and stable temperature control, ensuring consistent and reliable heating performance.
- Enhanced Safety: Printed PTC Heaters are inherently safer, as they eliminate the risk of overheating, making them ideal for various applications where safety is paramount.

CUTTING EDGE TECHNOLOGY

- For added functionality, an optional printed NTC sensor based on our patented NTCsense® technology can be seamlessly integrated, enabling precise temperature detection and monitoring across the entire heater surface.

MARKET



Mobility



Healthcare



Traditional Electronics



Furniture & Building



IoT Antennas



Industry



Consumer Goods

FURTHER READING:

<https://www.themaltech.at/printed-ptc-heaters/>