

fischer elektronik

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Pressemitteilung • Press releases • Communiqué de presse

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[New thermal interface materials](#)

It is well known that air inclusions and device differences make the thermal contacting of different devices considerably more difficult, e.g. when connecting an electronic device on a heatsink. Production-related air cushions often arise in the gaps between the contact pairing, whereas the air is acting as a thermal insulator. However, the medium air is an extremely poor conductor of heat, which is why its influence must be eliminated in order to achieve thermally optimal heat transfer resistance. In particular to optimize these heat transfer resistances, Fischer Elektronik GmbH & Co. KG is expanding its already extensive product portfolio with additional new thermally conductive materials. The innovative and high-performance new products can be found in the fields of silicone thermally conductive foils, graphite foils, one-sided and double-sided adhesive thermally conductive foils, silicone-free gel thermally conductive foils, gel thermally conductive foils for extreme compression, liquid gel and phase change thermally conductive material. The total of 96 new articles from the named product ranges offer a material thickness range from 0.13 to 8mm with an associated thermal conductivity of 1.4 to 8 W / m²K, with the liquid gel and phase change thermally conductive materials covering a range of 1 , 8 to 5.5 W / m²K. All new products are UL 94 V-0 listed and have an operating temperature range from -60 °C to + 250 °C, depending on the product group, with graphite foils up to + 500 °C. The basic materials of the thermally conductive foils are available as sheet or roll material and can also be produced customer specifically by Fischer Elektronik as a part of a drawing. You can also use our free 24-hour sample service for individual cuts and contours according to your drawing specifications. The requested cut-to-size thermally conductive material is produced directly using a digital cutter with help of your CAD data in the form of a DXF file and shipped to you. The listed innovations from the product range of thermally conductive foils as well as all innovations from Fischer Elektronik can also be found at www.fischerelektronik.de.

Contact us, the product specialists at Fischer Elektronik will be happy to provide you with further information and inquiries.

Our service enables you to download the photoprint version (300 dpi):



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