

## ASSMANN WSW – THERMAL FOILS

### Improved heat transmission and cooling of the overall system

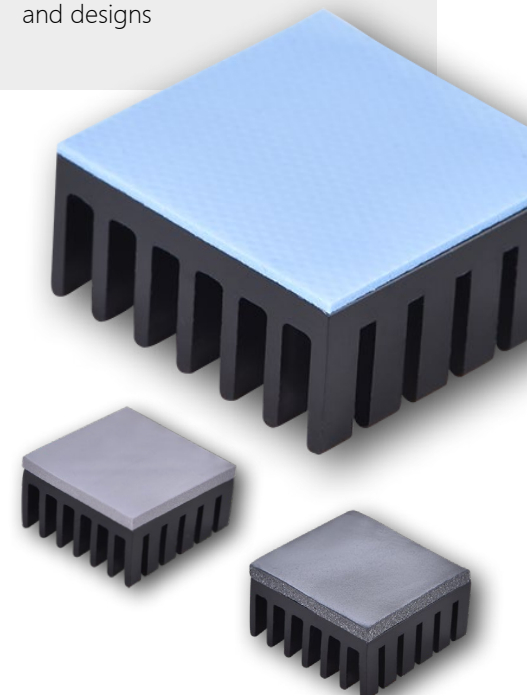
Electronic components release an enormous amount of thermal heat, when powered on, heat must be dissipated by using heatsinks. Due to tolerances and surface roughness, the contact surfaces between electronic components and heatsinks contain microscopic unevenness, which results in a heat-insulating air gap. Therefore, the proper thermal conductive material is essential, as the thermal conductive foils equalize these insulating air gaps.

The optimized heat transfer improves the cooling performance of the overall system and thus its service life. The natural properties of silicone ensure optimum adaptation of the heat-conducting foils to the surfaces.

The comprehensive product range of our thermal foils features thermal conductivities up to 15 W/mK for standard foils. The standard product range also includes special foils with thermal conductivities of up to 35 W/mK. In addition to electrically insulating properties, our thermal foils feature the options of higher liability through additional adhesive layers, as well as glass fiber reinforcements for tougher requirements.

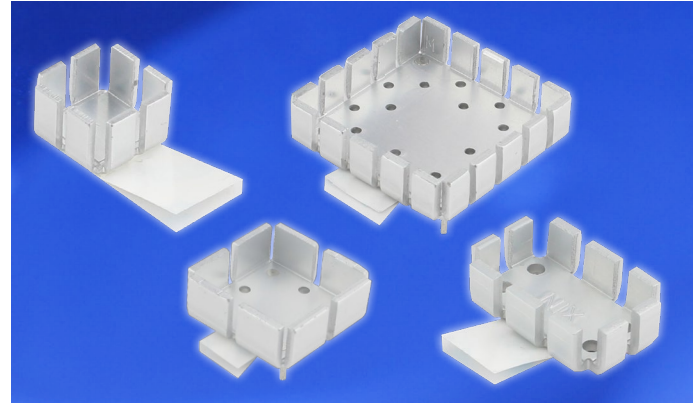
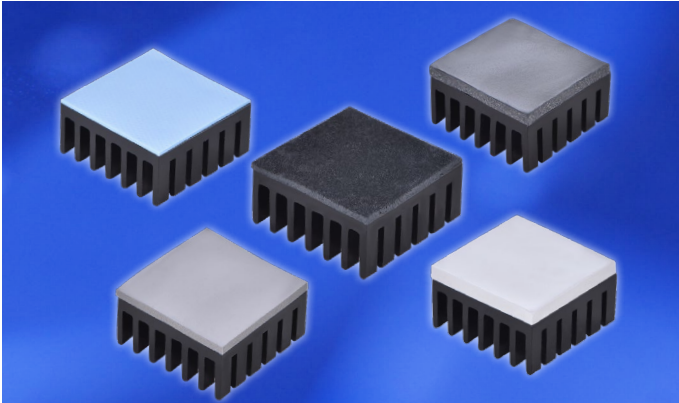
ASSMANN WSW provides a broad range of thermal foils as standard portfolio. Benefit on our high vertical range of manufacture to find the right thermal foil for your application. Improve your thermal management to extend the service lifetime of your application.

- Optimized heat transmission
- Easy to assemble
- Pre-assembled heatsinks
- Cost-effective realization of individual requirements and designs





## THERMAL MANAGEMENT



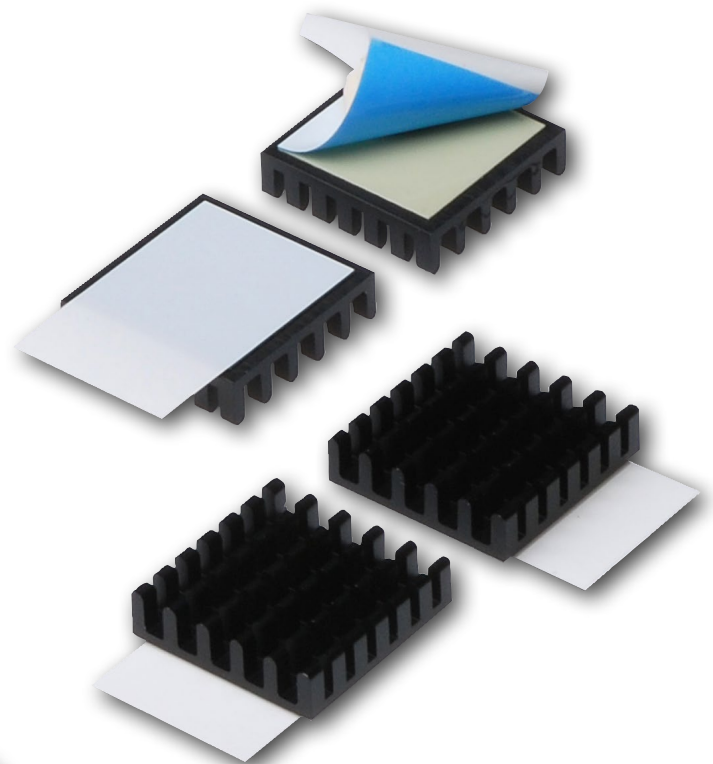
# THERMAL FOILS FOR INDUSTRIAL AND AUTOMOTIVE APPLICATIONS

ASSMANN WSW offers under the product name "thermal foils" solutions for various application areas, such as automotive, medical, lighting & household, or various computer applications.

### Specifications

Product group	Thermal foils
Thermal conductivity	1.50 – 35 W/mK
Length	up to 400 mm
Width	up to 350 mm
Thickness	up to 10 mm
Temperature	-40°C to +150°C
Reinforcement	Optional glass fiber
Adhesive surface	Optional one or two sides
Hardness	30 to 65 Shore 00
Volume resistance	$1 \times 10^{13}$ to $4 \times 10^{13} \Omega \text{cm}$

Other specifications on request



**Thermal foils from ASSMANN WSW are the ideal solution for thermal performance in cooling solutions – also for customized requirements.**



You can find more technical details and our comprehensive product range on our website



# ASSMANN

## WSW components

A company of **BCS** GROUP

## LEADING CUSTOMIZED CONNECTIVITY SOLUTIONS

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