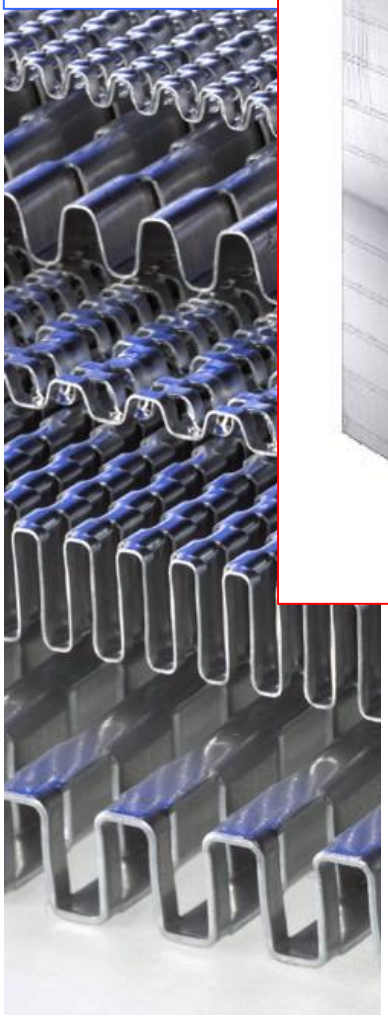
Product Information

High-performance air-heat sink for electronic components



AKG is the cooling expert in many fields. The brazed high-performance heat sinks for power electronics offer technical and economic advantages due to their very high cooling capacity and a good power/weight ratio at low cost. With the option of combining different high-performance air-fins with different heat-conducting plates the coolers can be optimized for every application and can be offered in almost all sizes and performance classes.

AKG has the solution for every cooling problem!

Product features:

- **Robustness due to the brazed design**
- **Excellent heat transfer properties with low pressure drops**
- **Minimum thermal resistance between electronic elements and cooler due to accurately milled surfaces**
- **Minimum thermal resistance between cooling plate and air-fins due to continuous material connection by brazed design**
- **Mounting of electronic components on all four surfaces**

Technical Data

High-performance air-heat sink for electronic components

Design:

The coolers consist of four cooling plates, air-fins and heat conducting plates, which are brazed together. The cooling plates are accurately milled which produces a very flat surface with very low roughness

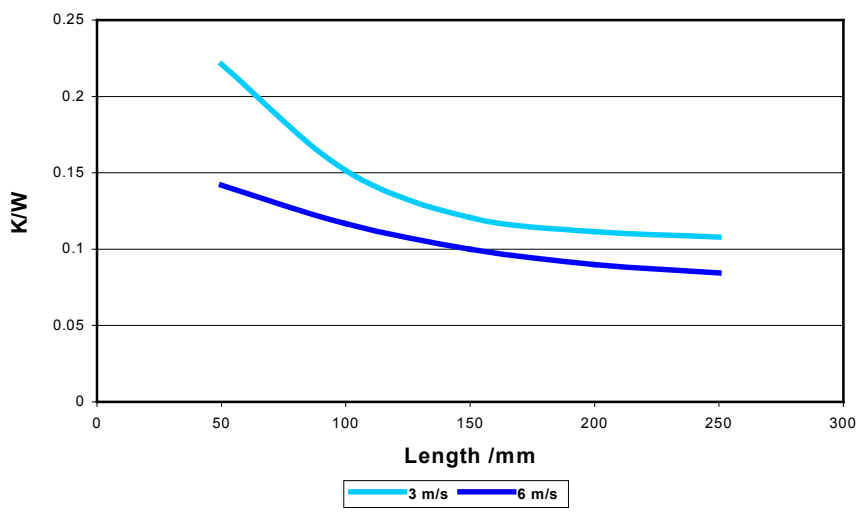
Material:	Aluminium
Cooling medium:	Air

Function:

The electronic components are mounted on the cooling plate and dissipate their heat via the cooling plate, heat conducting plates and air-fins to the cooling air.

The air coolers are optimized for matching standard commercial fans

Thermal resistance using the air-heat sink as an example
(130mm x 115mm)



Applications:

AKG air coolers are suitable for use in

- Control cabinets
- Wind generators
- Transmission systems
- Rail vehicles
- Block heating/power plant
- Electric forklifts
- Applications in the frequency conversion area

For the cooling of power electronic components which produce a large amount of heat on very small surfaces.

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