KAGA, INC.

Product Introduction <KAGA Heat Sink>





Product Introduction

< KAGA Heat Sink >

- 1. KAGA Heat Sink is an Efficient heat transfer shaped
- 2. KAGA Heat Sink is made of 99.5% or more Purity Aluminum
- 3. KAGA Heat Sink is pressed using many Patented Technologies

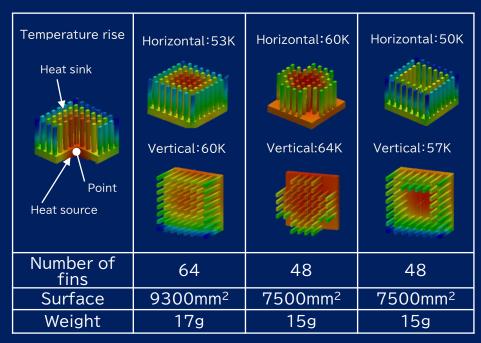
KAGA Heat Sink is a new idea of heat sink realized by our own special plasticity working.

Based on KAGA's unique special plasticity working, we have developed a new heat sink realized by pressing only without casting or cutting.

KAGA Heat Sink is an efficient heat transfer shape.

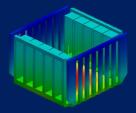
1. KAGA Heat Sink is an Efficient heat transfer shaped

We propose a High-performance heat sink, which is designed by thermal analysis.

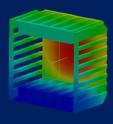


^{·300}mm square space ·Space temperature 27°C ·Heat source 3W

Horizontal Base: 49K



Vertical Base:54K



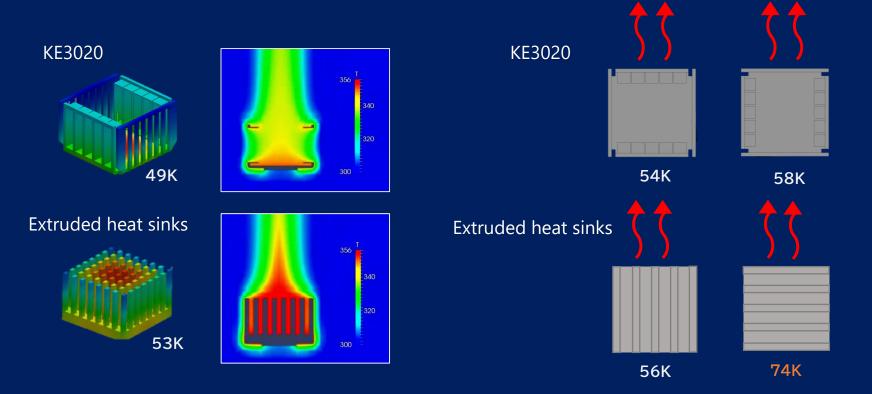
KE3020

Surface	8200 mm ²
Weight	6g

1. KAGA Heat Sink is an Efficient heat transfer shaped

Natural Air Cooling (Sideways)

Natural Air Cooling (Upright)

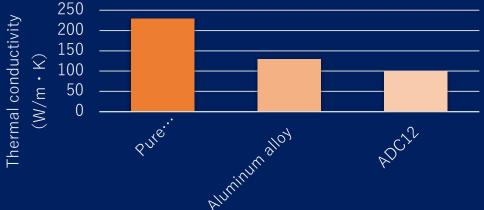


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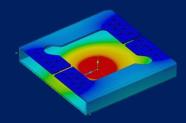
2. KAGA Heat Sink is made of 99.5% or more Purity Aluminum

The fin of heat sink can be Thinner and Lighter and is High-performance by its superior heat conduction of Pure Aluminum.

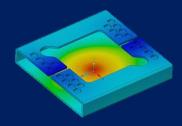




Aluminum Alloy Thermal conductivity: 130(W/m·K)



Pure Aluminum [A1050]Thermal conductivity:230(W/m·K)



KAGA Heat Sink is pressed using KAGA-SPC technology as well as many other patented technologies.

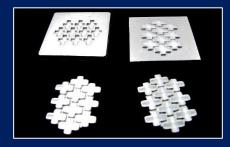
KAGA Heat Sink is an original High-performance shaped.

KAGA-SPC







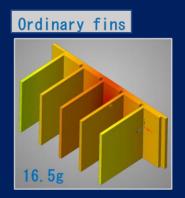




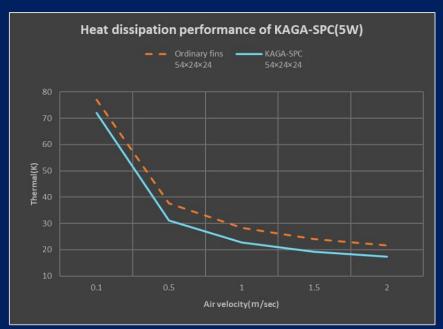


The fins used KAGA-SPC technology have High Performance

By pressing with KAGA-SPC technology, the performance of heat sink can be improved even with ordinary fins.





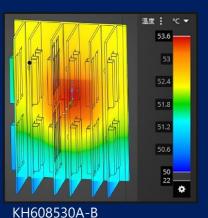


Heat Sink Example [KH608530A-B]





KAGA's Unique Cold Press process, KAGA-SPC®, can form a variety of fins. Can be made to a minimum thickness of 0.15mm.



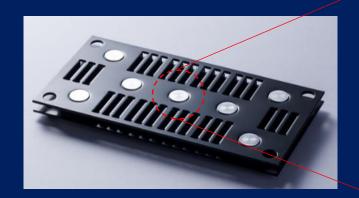
無政 : °C ▼
55.2
54.3
53.5
52.6
51.7
50.9

General castings

High Thermal Conduction Connection Technology

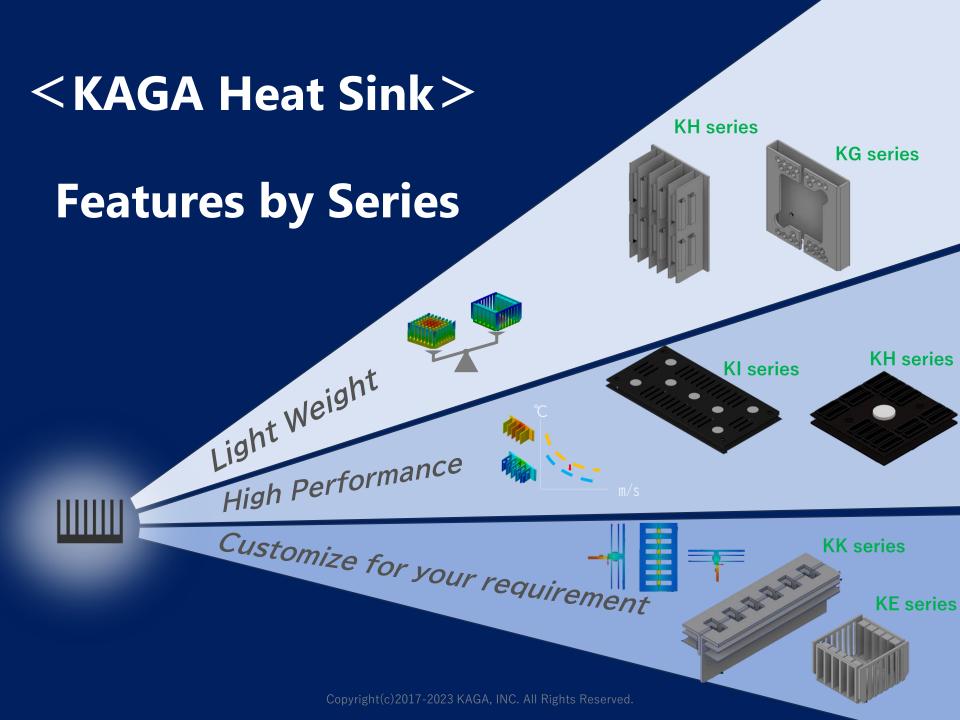
The patented connecting technology of KAGA Heat Sink shows very High Heat Conduction.

KI20010015B



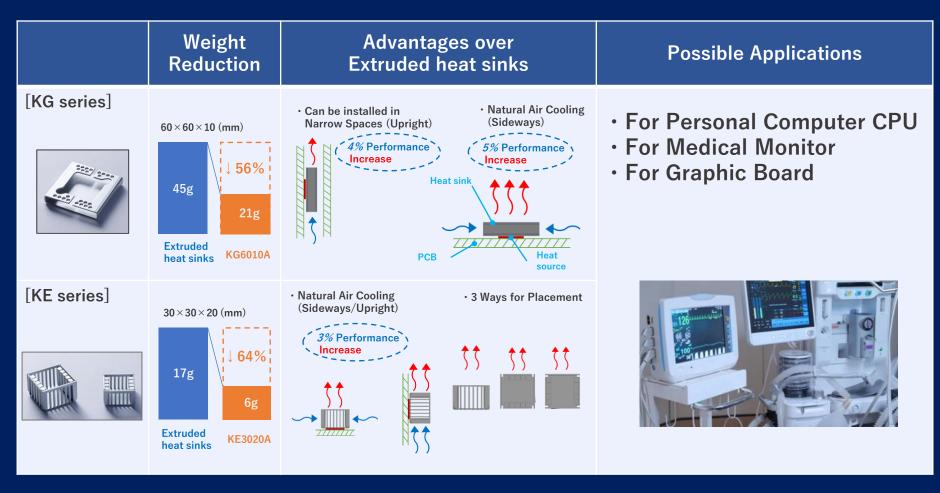
XCut Surface





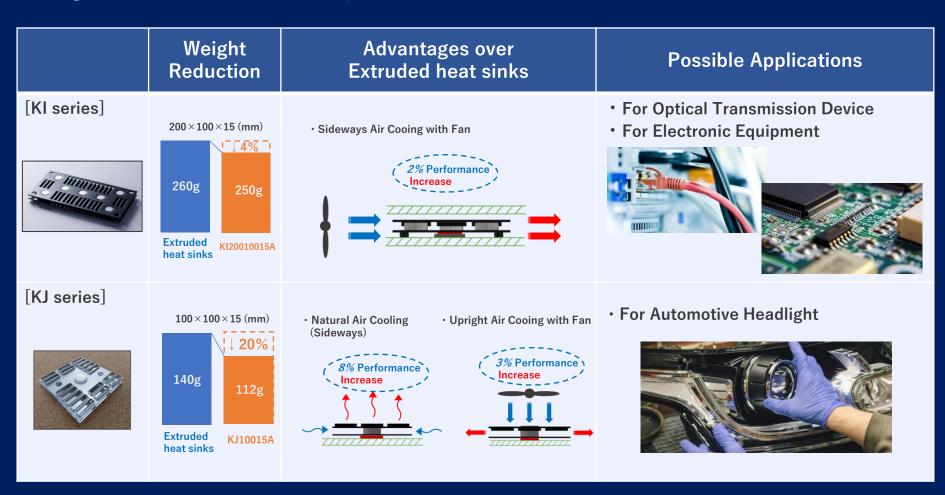
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Weight Reduction>>>Thinner and Lighter Fins by KAGA-SPC High Performance>>>Its Superior Heat Conduction of Pure Aluminum



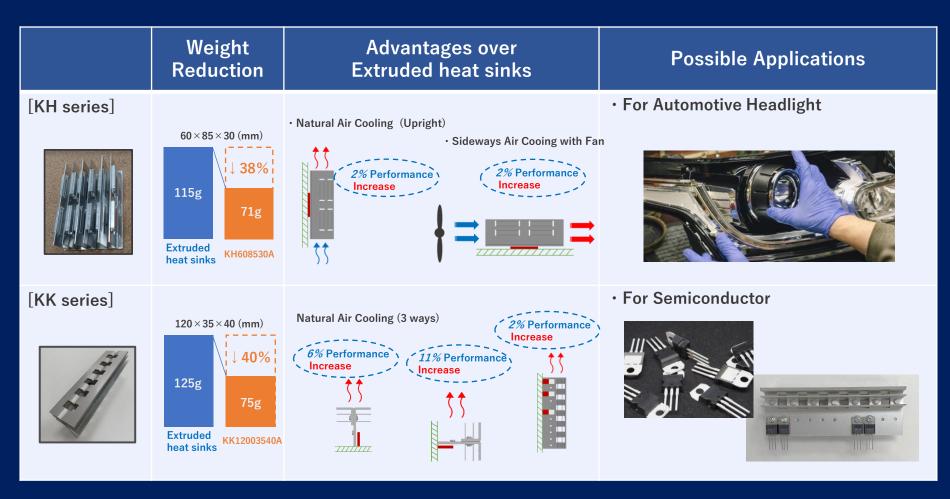
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Weight Reduction>>>Thinner and Lighter Fins by KAGA-SPC High Performance>>>Its Superior Heat Conduction of Pure Aluminum



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Weight Reduction>>>Thinner and Lighter Fins by KAGA-SPC High Performance>>>Its Superior Heat Conduction of Pure Aluminum



Please Contact us for Heat Countermeasures

Performance of the Heat Sink is Strongly Affected by its Surroundings

The most suitable shape of a heat sink varies by the usage. Particularly, its performance is affected by setting direction, the space around, or whether it has a fan.

We ask customers in detail about a purpose and using environment to propose the best shaped heat sink.





We pursue a High-performance Heat Sink by Thermal Fluid Analysis

We design a heat sink with good heat dissipation performance using thermal fluid analysis software.







KI20010015A

