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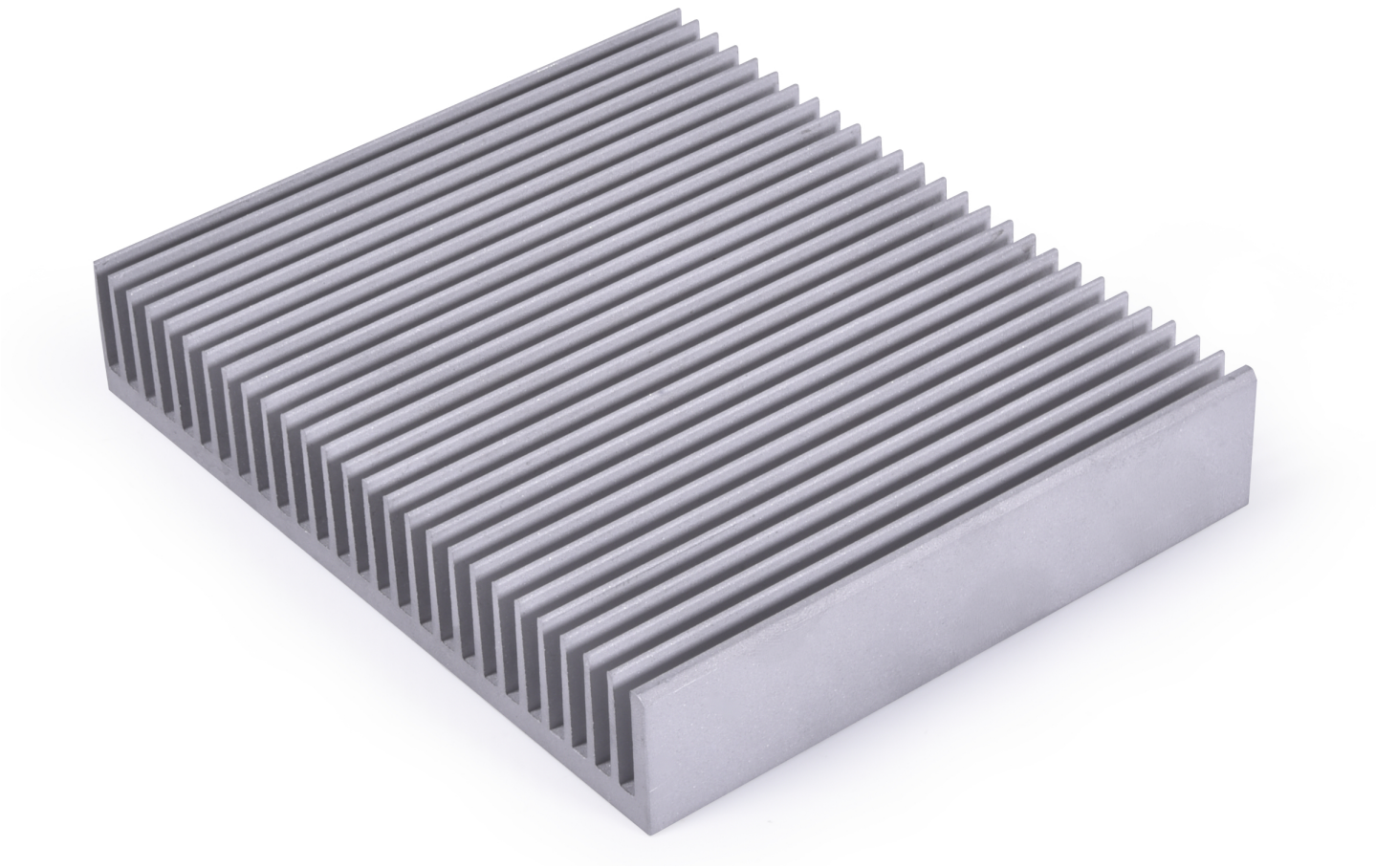
Alphacool ES Passive Aluminium Cooler 100x120x22mm

Alphacool article number: 13060



Quick Info

Special aluminium cooler for passive air cooling of electronic components. This type of cooler is often used for cooling machines, electrical as well as electronic devices and components. This method of cooling reduces the risk of hardware damage due to overheating.

- Passive cooling reduces the risk of hardware damage
- High-quality aluminium with excellent thermal conductivity
- Light weight

Scope of delivery

1x Alphacool ES Passive Aluminium Cooler 100x120x22mm, silver matt

Technical data

L x W x H	100 x 120 x 22 mm
Material	aluminium
Number of fins	27
Base thickness	4.5 mm
Weight	306 g
Color	silver matt

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Product pictures	13060_Alphacool_ES_Passive_Aluminium_Cooler_100x120x22mm_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_13060.pdf

Packaging dimensions per unit

L x W x H	100 x 120 x 22 mm
Weight	306 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197130608
Customs code	84195080900
Guarantee	10 years

Article text

Special aluminium cooler for passive air cooling of electronic components. This type of cooler is often used for cooling machines, electrical as well as electronic devices and components. This method of cooling reduces the risk of hardware damage due to overheating.

The heat sink has a high number of cooling fins. This creates a large surface area that makes it possible to dissipate the generated waste heat in the best possible way. The principle is simple: the larger the surface area of the cooler, the more waste heat can be removed. This effect is further enhanced by the choice of material, as the high-quality aluminium has good thermal conductivity. The thickness of the radiator base was chosen so that the waste heat generated can be quickly transported away from the component via the cooler. The use of self-adhesive thermal pads is recommended here. These are placed between the component and the cooler and enable fast and effective heat transfer. Thermal conductive adhesive achieves the same effect here.

Since the passive cooler is made of aluminium, it is extremely light. This makes it well suited for applications where weight plays a decisive role. Important: It is necessary to note that the heat sink is made of conductive material and therefore does not come into direct contact with voltage sources.