



# Heatpipes

Cooling via efficient heat transfer

Heat pipes are among the most efficient heat exchangers because they use evaporation and condensation heat for heat transfer. This enables heatpipes to dissipate large amounts of heat with a minimal temperature difference. The heat pipe is typically made of copper and often has a capillary structure on the inside. The effective thermal conductivity depends on the length and diameter of the pipe.

More infos:



As the copper tubes are easy to shape during the production process, heat pipes are exceptionally flexible in terms of their design and use. They are ideal both for installation in tight spaces and for heat dissipation over long distances.

## The advantages of heat pipes:

- Installation in almost any position
- Great creative freedom
- Relatively low thermal resistance
- Ideal for installation in confined spaces
- Excellent heat conduction even over long distances
- Cooling capacity can be consistently increased by increasing the number of heat pipes or by combining them with heat sinks



Efficient



Flexible



Scalable

# KEEP IT COOL

## Expert thermal management for your electronics

More infos:



CTX is specialised in perfectly fitting active and passive cooling solutions for electronics for more than 25 years. We implement application-specific cooling units and cooling electronics housings for our customers from almost every field of industry. Our wide product range makes us to one of the leading suppliers in Europe.

We support you from the initial idea to series production when you implement your cooling solution. In the process, we draw on a vast range of manufacturing techniques together with an exceptionally broad supplier base.

Our products are supplied to consignment warehouses and security storages worldwide, using ecologically worthwhile ways of land, sea and air transport. This enables us to guarantee maximum flexibility, quality and delivery reliability at all times.



### Application-specific cooling solutions

Our product portfolio includes profile, high-performance, and liquid heat sinks as well as LED and PCB heat sinks, heatpipe solutions and cooling solutions for embedded systems and industrial computers.



### Enclosure technology

Our enclosure solutions include profile and die-cast enclosures as well as enclosures manufactured using stamping and bending technology. Our product range also includes front panels, technical aluminium parts as well as sheet metal, stamped and bent parts.



### Rotary knobs

In addition to general heat sink accessories, we also distribute more than 6,000 different rotary, special and recessed rotary knobs from the Swiss brand Ritel.