

Heat Pipe Fin Stack Design

Heat Pipe Heat Sink.....

Heat pipe heat sink design is an ultimate cooling solution which can be applied for various products. By using heat pipes to assist efficient heat transfer from the heat source to heat spreader base and thermal radiation area such as fin, the performance and quality of the product can enhance significantly. Our experienced thermal designers are capable of proposing the best design depending on customer's product concept and granted space / condition for cooling.

In general, the design of a heat pipe heat sink can be classified into two main categories. One, Heat Pipe Fin Stack Design and two, Heat Pipe Embedded Design.

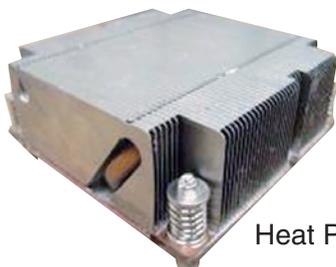


Heat Pipe Fin Stack Design:

Heat pipe fin stack design is most recommended for cooling products with vertical height but limited space in width. When the distance between heat source and cooling area is relevantly distant, the efficiency of heat transfer and cooling drops in proportion. In such case, heat pipe with its advantage of high thermal conductivity is capable of transferring heat from the heat source to the tip of the fins where the heat pipe is in contact.



Soldered Fin



Heat Pipe Fin Stack

