

Air Cooled Heatpipes

Spreading heat to large area cooling banks via heat pipes

High heat losses from Press-Pack and IGBT power devices can be spread to large area cooling banks via heatpipes. Typical construction employs copper heatpipes and aluminum or copper “Evaporator” and “Condenser” sections.

If electrical insulation is required ceramic insulators can be built into the heatpipes. Working fluids are chosen to suit the application.

Full specifications can be found on our website.

Contact the Applications Department for Modeling Assistance at 905-795-0077 x258 or x340.

Features/Benefits:

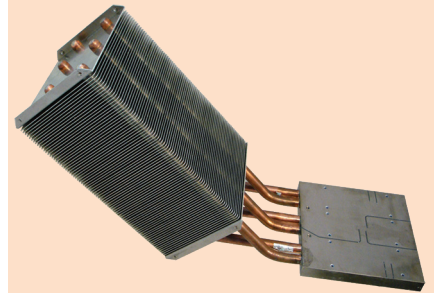
- Increased surface area of cooling fins
- Moves thermal load to high performance air cooled bank
- Will transfer high thermal loads
- Copper tube heatpipes
- Working fluid options
- Copper or aluminum evaporator
- Copper or aluminum condenser

Highlights:

- Allows for maximum heat flux

Applications:

- Those applications where typical air cooled solutions cannot meet demand and liquid cooling is unacceptable



Performance:

- Heat transfer performance between air and liquid cooled
- Contact factory applications department