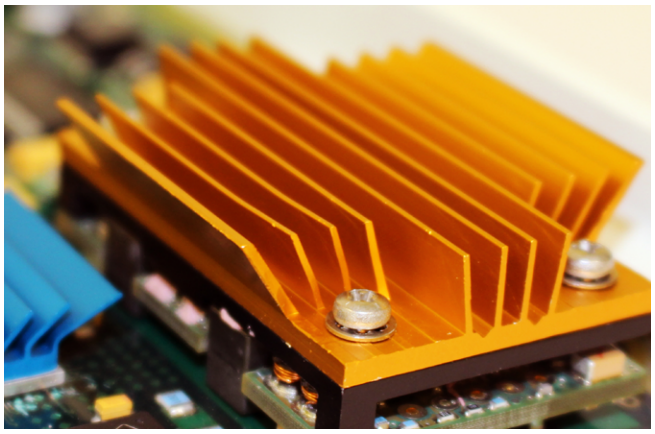
Power Brick Heat Sinks

ATS maxiFLOW™ Power Brick Heat Sinks for Brick DC-DC Converters

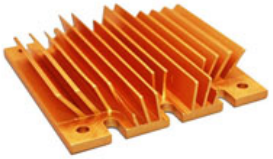
- maxiFLOW™ heat sinks specially designed to cool 1/8, 1/4, 1/2 and full brick size DC-DC converters
- High performance maxiFLOW™ design features less pressure drop and more surface area that maximizes the effective convection (air) cooling
- Heat sink assembly packaged with three sets of screws (M3 Philips Pan Head) at 5, 6 and 8 mm lengths
- Provided with pre-assembled Chomerics T766 phase change material



ATS' power brick heat sinks are specially designed to cool eighth, quarter, half and full brick size DC-DC converters. Unlike other converter heat sinks, the patented maxiFLOW™ heat sink design reduces air pressure drop and provides greater surface area for more effective convection (air) cooling. The same ATS maxiFLOW™ technology is used in heat sinks cooling millions of BGAs and other PCB components.

The brick DC-DC converter heat sinks offer a range of fin patterns, directions and profiles to match different height and weight restrictions and airflow patterns. All of these heat sinks are protected with a gold anodized finish.

Quarter Power Brick



Half Power Brick

Eighth Power Brick

Full Power Brick

Each heat sink is provided pre-assembled with a layer of Chomerics T766 Thermflow™ phase change thermal interface material to enhance heat transfer from brick to heat sink. All of these heat sinks also come with three sets of screws in lengths of 5, 6 and 8 mm for varied attachment situations. The heat sinks' pre-drilled hole patterns fit all major DC-DC converter designs.

DC-DC converters are circuits which convert direct current (DC) from one voltage level to another. They are extensively used in electronic devices serving communications, computing, data storage, health care, industrial equipment, instrumentation and test and measurement. Heat sinks are typically required to keep the converters running within safe operating temperatures.

For further technical information, please contact Advanced Thermal Solutions, Inc. at **1-781-769-2800** or **www.qats.com**

BRICK HEAT SINK FEATURES:

» **Heat Sink Design**
Specifically designed to cool 1/8, 1/4, 1/2 and full brick size DC to DC converters

» **Patented maxiFLOW™ Design**
based off of the patented maxiFLOW™ design, to effectively cool DC to DC power converters and power modules

» **Improves Performance**
Reduces Junction Temp (Tj) by more than 20%

» **Easy Attachment**
Provided with three (3) sets of screws at 5, 6 and 8mm lengths

» **Hole Pattern**
Hole pattern fits standard power brick modules. Custom Options available.

» **Minimal Keep Out Area**
Requires minimal space around the component's perimeter; ideal for densely populated PCBs

» **Thermal Interface Material**
Provided with pre-assembled, high-performance Chomerics T-766 phase change material

» **Applications**
Can be used for DC/DC power converters and power modules, such as: Vicor's V24A3V3x200Bx and Murata's MPDKN10_S

RoHS COMPLIANT