

1. Introduction

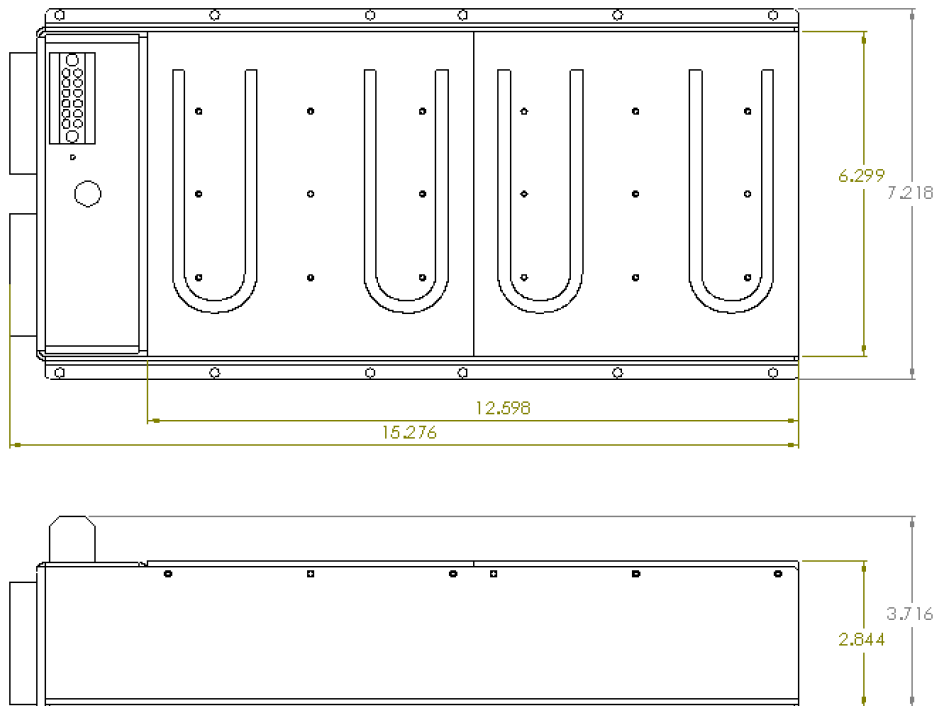
Model HS-004L is a compact high performance fan/heatsink combo designed for general cooling of high heat flux devices. The heatsinks are nickel plated with integrated heatpipes that are soldered in place to maximize heat transfer. Heatpipes are known to have extremely high thermal conductivity; six heatpipes make sure any concentrated heat source on any where of the heatsink base is spread over the entire base; this minimizes the spreading resistance and maximize the effectiveness of the heatsink fins.



The fins are skived in place from a monolithic block of aluminum; skived fins are much more superior than bonded fins because there are no low conductivity epoxies at the joint between the fins and heat sink's base.

HS-004 comes with a high quality terminal block for fan wiring and user's devices. The contacts of the terminal block is rated at 20A x 250V. The two high power fans are hidden inside of the air duct, reducing the noise significantly.

Custom mounting holes patterns is available upon request or users can add their own mounting holes as they wish. Below is the outline dimensions of HS-004L.



2. Performance

The thermal resistance of model HS-004 is 0.04°C/w from heatsink to ambient

3. Cooling Fan Specifications

There are 2 cooling fans wired in parallel. Each fan is specified as below.

Parameters	Standard
Rated voltage	12VDC
Operating voltage range	4.5 – 13.8 VDC
Input power	17w
Rated current	.72A
Noise	46.5dBA

4. Pricing and Contacts

For pricing and availability, please contact ETE:

Elite Thermal Engineering

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