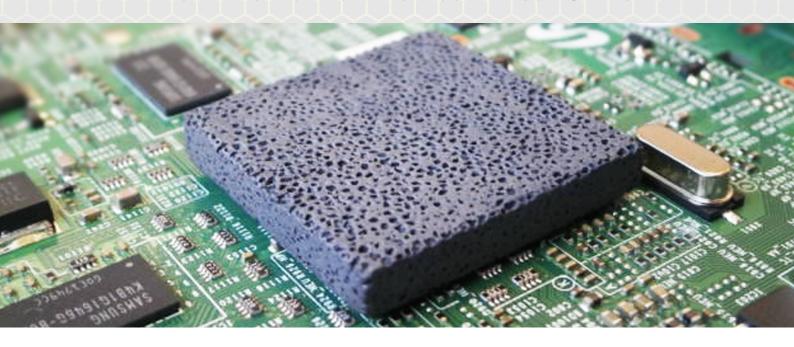
Low Profile Metallic Foam Heat Sinks



Introducing the next generation of low profile heat sinks from Versarien Technologies.

Using the incredible new material VersarienCu™, a micro-porous metallic copper foam, Versarien's heat sinks offer unparalleled thermal performance in low profile applications.

The large surface area created by the interconnected pores of the foam coupled with the excellent thermal conductivity of copper allows for the height of your heat sinks to be reduced, without sacrificing performance.

The copper foam is coated with a thin, hard layer of high temperature copper oxide that improves the emissivity of the foam to improve its radiant properties and reduce the temperature of your component.

This range is designed for use in passive cooling applications where space is at a premium and performance is crucial. VersarienCu™ heat sinks can be used to cool any IC component.



Contact us today to find out more

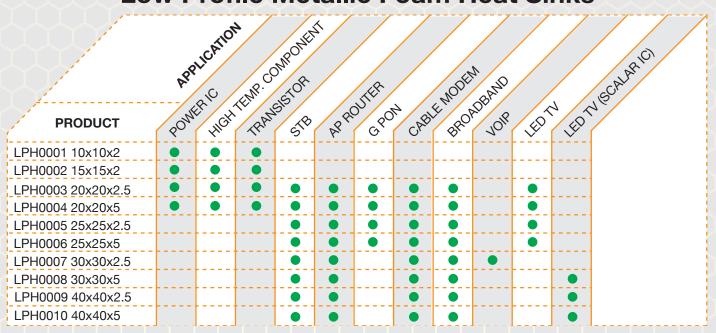
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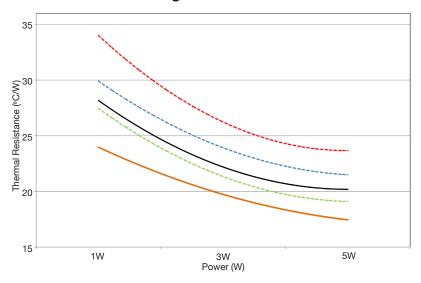
Versarien Technologies Limited | Company No: 07475659 Registered Office: Building 4, Vantage Point Business Village, Mitcheldean, Gloucestershire, GL17 0DD, UK VAT Registration No: 122 6395 26

Versarien

Low Profile Metallic Foam Heat Sinks



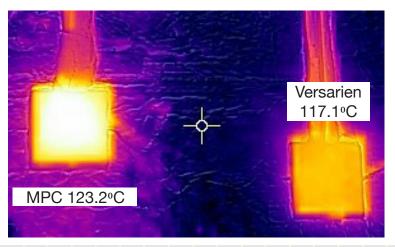
Performance Testing of 40X40 Low Profile Heat Sinks





Comparison testing of Versarien 63 % copper foam (solid lines) to market leading low profile ceramic and finned aluminium heat sinks (dashed lines).

Data presented is thermal resistance (°C/W) vs applied power (W). Testing performed concurrently in still air with insulated load resistors.



Comparative heatmap of a 40x40x2.5 microporous ceramic and VersarienCuTM heat sink at 5W. The Versarien heat sink is 6.1° C/W cooler.

At an applied load of 5W the thermal resistance of a 40x40x5 (mm) Versarien heat sink is 17.4 °C/W

At an applied load of 2W the thermal resistance of a 20x20x5 (mm) Versarien heat sink is $35.8~^{\circ}\text{C/W}$

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