

TT Electronics introduces the lightest, most effective PCB mounted heatsink specifically designed for power resistors

Low mass extruded heatsink offers superior cooling performance

Woking, UK, 21 November 2017 - [TT Electronics](#), a global provider of engineered electronics for performance critical applications, has today announced the WMHP-HS heatsink specifically designed to optimise the thermal performance of its WMHP series power resistors. Providing a combination of high surface area, superior cooling performance, compact dimensions and light weight, the PCB mounting heatsink is ideal for use in power supplies, power amplifiers, motor drives and inrush current control applications requiring resistors operating in the 20 to 100W range.

The WMHP-HS heatsink is aimed at designers using TO220 or TO247 power resistors in compact power electronic assemblies in the industrial and medical markets. Factors driving the demand for this type of product are the growth in distributed power management and motion control in industrial and automated systems, and the pressure to reduce size and weight whilst increasing cooling effectiveness and product reliability.

Extruded from 6063-T5 aluminium, the WMHP-HS heatsink's compact footprint of 42 x 25mm minimises use of valuable PCB area, and its low thermal resistance keeps assemblies cool and improves reliability. Reducing overall product weight and assembly time, the heatsink uses two solderable tinned brass pins instead of fixings to secure it. It has a black anodized finish, and features an optimised profile with ridged fins for high surface area and low mass.

Exhibiting versatility, a TO-220 package resistor may be fitted to either side of the heatsink as the thermal performance is the same for both mounting surfaces. Furthermore, two packages may be fitted, one each side, provided the total power dissipated does not exceed the rating of either. A TO-247 package can be fitted to the wider of the two mounting surfaces.

TT Electronics' WMHP-HS heatsink offers a higher surface area, superior cooling performance and lower mass than key competing parts. It is the lightest, most effective PCB mounted heatsink specifically designed for power resistors.

For further information visit www.ttelectronics.com/resistors.

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About TT Electronics plc

TT Electronics is a global provider of engineered electronics for performance critical applications. It works with market-leading customers in the transportation, industrial, medical, and aerospace and defence sectors.

With headquarters in Woking, UK, TT Electronics employs approximately 4100 staff and operates from 22 locations around the world. It has three divisions: Global Manufacturing Solutions, Power Electronics and Sensors and Specialist Components.

For more information about TT Electronics visit www.ttelectronics.com.

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