



# High Thermal Conduction Casting Alloy

## **Aluminum HighTAL - High Thermal Conduction**

### **Key Properties**

Thermal conductivity 130-140 W/mK / 180-190 W/mK

Electrical conductivity 21-23 m/Kmm<sup>2</sup> / 26-30 m/Kmm<sup>2</sup>

*(Before Heat Treat / After Heat Treat)*

### **Features**

This alloy is best used where heat dissipation has a deep impact on the design. This high thermal conduction rating was only previously available in wrought materials, with the disadvantage that only extruded or stock material could reach such thermal transfer ratings

### **Applications**

LED heatsinking, amplifiers, high rated power supplies, communications equipment, computers, home appliances and any application where heat dissipation is key.

Contact us to learn more for your application  
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