

THERMAL SOLUTIONS

EXTRUDED HEATSINKS

Introduction:

Extruded heatsinks are the most common heatsinks used in thermal management. They are manufactured by pushing hot aluminum billets through a steel die to form the desired shape. Two of the most common materials used to form extruded heatsinks are Al6061 and Al6063-T5.

General Information:

Extruded heatsinks are an excellent low-cost solution provided they meet the thermal dissipation necessary to cool the heat source. Tooling for extruded heatsinks is low when compared to cast or other types of custom solutions. In addition to their low cost, extrusions have an unlimited array of fin configurations and geometry. The material cited above is typically 240W/mK and is ideal for many integrated circuits.

➤ Straight Fin:



➤ Cross Cut:



➤ Custom:

