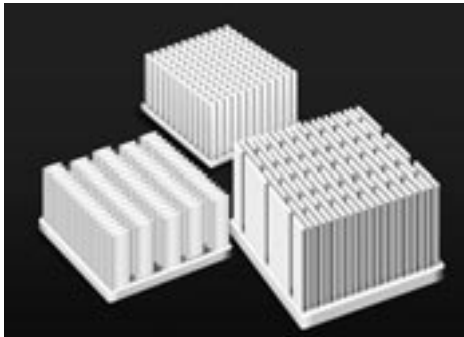


# The Cold Forged Heat Sink

Excellent for Mass-Produced  
High-Performance Electronics



## INTRODUCTION

Enertron engineers use cold forging to produce finned heat sinks of exceptional quality. Cold forged heat sinks are used to dissipate heat in high-powered electronics, multi-chip modules, and in other similar applications.



ENERTRON, Inc.  
100 W. Hoover, Suite 5  
Mesa, AZ 85210, U.S.A.  
Toll Free 1-877-ENERTRON (363-7876)  
Tel: 480-649-5400  
Fax: 480-649-5434

Asia contact:  
ENERTRON International, Inc.  
886-2-8512-2600  
Fax: 886-2-8512-2606

Cold forged heat sinks have a fin aspect ratio of up to 25:1 and are well-suited for high-performance electronics. The production process requires no machining, cutting, or welding, making it more cost effective than extruded or bonded-fin heat sinks when produced in high quantities. The thermal performance is better than an extrusion. A variety of fin shapes can be produced, including pin fin, plate fin, air foil fin, round fin, and square fin. Minimum cost-effective quantity is 10,000.

## Specifications

Size: ..... Custom-built based on customer requirements.  
Minimum Size: ..... 31 mm X 31 mm with fin length of 5 mm  
Maximum Size: ..... 52 mm X 120 mm with fin length of 50 mm or 100 mm X 100 mm with fin length of 60 mm.  
Minimum Fin Thickness: ..... 0.7 mm  
Material: ..... Aluminum A1060 or A6061  
Heat Treatment: ..... T5  
Surface Treatment: ..... Anodized and electroless nickel

## Best Applications

High-Performance Electronics  
Multi-Chip Modules

Enertron... A Powerful Thermal Management Team and a Skilled Production Partner  
Enertron is both a powerful thermal management engineering service and a highly-skilled, cost effective production partner. Enertron offers custom thermal solutions at off-the-shelf prices and delivery times. Enertron customers are Fortune 500 companies in the computer, microelectronics, aerospace, and defense industries. Enertron competes on its industrial expertise, timely service, and unerring commitment to excellence for its customers.

www.enertron-inc.com e-mail: info@enertron-inc.com