



Custom Mill Finished Black Anodized 6063-T5 Aluminum Heat Sink for Audio Equipment

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: SONCAP, ISO, RoHS, TUV
- Minimum Order Quantity: 500
- Price: 1



Product Specification

- Material: Aluminum6063-T5
- Grade: 6000 Series
- Temper: T3-T8
- Surface Finishing: Anodic Oxidation
- Alloying Ingredient: 6063
- Surface Treatment: Anodizing/Powder Painting
- Color: Black /Natural
- Tensile Strength: $\geq 160\text{Mpa}$ (T5), $\geq 205\text{Mpa}$ (T6)
- Yield Strength: $\geq 110\text{Mpa}$ (T5), $\geq 180\text{Mpa}$ (T6)
- Elongation: $\geq 8\%$
- Production Capacity: 50000PCS /Month
- Lead Time: 15-25 Days
- Processing Methods: Extrusion, Skiving Fin, Stamping, Cold Forging, CNC Machining
- Max Extrusion Diameter: 350mm



More Images



Product Description

Custom Black Anodized Aluminum Audio Heat Sink Cover

MetalPlus specializes in manufacturing high-quality custom aluminum heat sinks with mill finish, powder painting, and anodizing options. Our precision-engineered heat sinks feature high-density stacked fins for optimal thermal dissipation.

Product Specifications

Item	High Power Heat Sink
Material	Aluminum 6063-T5
Lead Time	15-25 days after confirmation
Packaging	Standard export package (custom options available)
Applications	Audio equipment, projectors, computer components, LED lighting, automotive systems

Technical Capabilities

- Extrusion, skiving fin, stamping, cold forging
- Precision CNC machining, drilling, milling
- Bending, soldering, laser marking
- Surface treatments: anodizing, brushing, sand blasting, powder coating

Material Properties

Chemical Composition:

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurity	Al
6063	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1	0.15	Rest

Mechanical Properties:

Alloy	Temper	Tensile Strength	Yield Strength	Elongation
6063	T5	≥ 160Mpa	≥ 110Mpa	≥ 8%

Manufacturing Advantages

- ISO9001:2008 & TS16949:2002 certified quality
- Competitive pricing with short lead times
- Complete in-house production capabilities
- Strong technical support and service
- RoHS compliant materials

Production Images



Technical Support

Our engineering team provides comprehensive support including:

- Custom profile design and CAD modeling
- Design optimization for cost and performance
- Complete production from mold making to surface treatment
- Quality control throughout manufacturing

Production Capabilities

Extrusion: 44 lines with maximum 350mm outer diameter capacity

Anodizing: 6 production lines with uniform color and thickness control

Painting: 4 powder spraying lines using Gema Switzerland equipment

CNC Machining: 12 PRATIC machining centers for complex profiles

Quality Assurance

All products undergo strict inspection before shipment. Our quality management system ensures:

Precise dimensional accuracy

Consistent surface treatment quality

Material composition verification

Performance testing



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