



AAVID
THERMALLOY

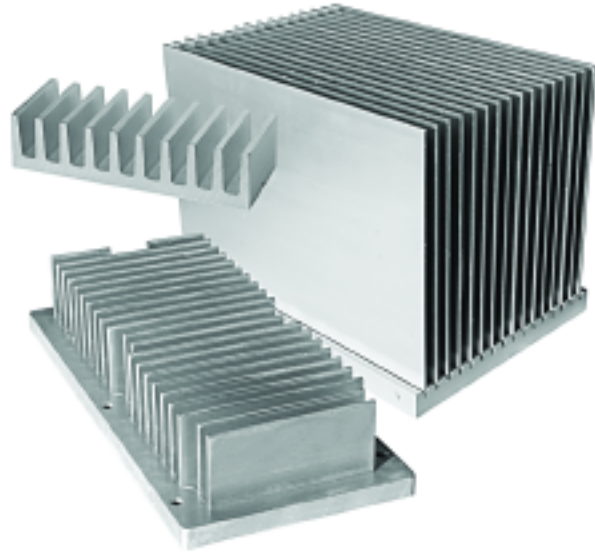
AavSHIELD³
Corrosion Protection for Aluminum

RoHS ✓
Compliant

AavSHIELD³

AavSHIELD³ is an RoHS compliant aluminum finish that is comparable in cost and performance to hexavalent chromate. AavSHIELD³ is ideal where both corrosion protection and low electrical resistance are required. AavSHIELD³ also provides better paint adhesion properties than uncoated aluminum. The performance and features of AavSHIELD³ make it a great replacement for Mil-C-5541 Class 3 finishes in most heat sink applications.

AavSHIELD³ is a translucent finish which ranges in color from clear to a tan or light blue hue.



CRITICAL APPLICATION NEED:

- *RoHS Compliant*
- *Corrosion Protection*
- *Low Electrical Resistance*
- *Adhesion*

APPLICATIONS:

Any aluminum heat sink or assembly that requires corrosion protection and low electrical resistance.

Examples: Bonded Fin
 Fabricated Extrusion
 Liquid Cold Plates

ORDERING INFORMATION:

For custom products specify AAVSHIELD3 finish on the drawing.

For catalog products, AavSHIELD³ is specified by using a "V" in the 7th digit of an Aavid Thermalloy part number.

Example: 420014V61200G
 Bonded Fin Assembly with AavSHIELD³ finish.

AavSHIELD³ SOLUTION:

- *Meets the European Union Directive "Restriction on the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment."*
- *Withstands 48 hours of corrosion resistance per MIL -C-5541 and MIL-DTL-81706 using ASTM B-117 neutral salt spray test.*
- *Provides stable electrical contact resistance that meets MIL-C-5541.*
- *Improves paint and epoxy adhesion properties. (Product testing is recommended since performance of the coating can be design-dependent.)*

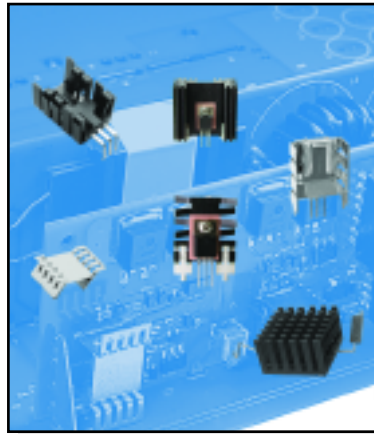
FOR MORE INFORMATION, VISIT OUR WEB SITE: WWW.AAVIDTHERMALLOY.COM
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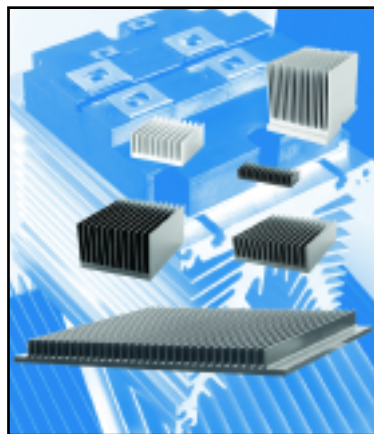
RoHS ✓
Compliant



Standard Board Level Heat Sinks



The Max Clip System™



Extrusion Selection Guide



Capability Brochure

Aavid Thermalloy, LLC is committed to being a responsible global citizen through continual efforts to operate in ways that contribute to a cleaner, healthier environment for all. We strongly believe that good environmental practice is good business practice. Our customers, company, stakeholders, and community all benefit from this positive, proactive, and cost effective approach.

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