



Cooling Solutions

Aavid Thermalloy is ready to guide customers through thermal design issues from concept to production with solutions that provide a competitive advantage. With a wide selection of standard products, Aavid Thermalloy provides fast access to cooling solutions for the new generation of LED light sources. Standard products are easily configured for rapid prototyping and our global footprint delivers the integrated solution cost effectively.



Extruded 637303B03000G

Features ▶

Stamping

- Lightweight
- Variety of fin configurations

Pin Fin

- Fin array allows airflow in any direction
- Compact size
- Available with pre-applied thermal tape

Extrusion

- Highly configurable
- Low thermal resistance

Benefits ▶

Stamping

- Requires minimal structural support
- Use with natural or forced convection airflow
- Can support high-volume production

Pin Fin

- Excellent forced convection cooling
- Reduced space requirement
- Simple assembly

Extrusion

- Can incorporate structural and aesthetic elements
- Cools multiple devices

Applications ▶

Stamping

- Commercial lighting
- Signals
- Transportation

Pin Fin

- Commercial lighting
- Signals
- Transportation

Extrusion

- Commercial lighting
- Signals
- Transportation

Product Specifications ▶

Part Number	Type	Shape	LED Wattage (W)	Material Type	Thermal Expansion ($10^{-6}\text{m/m/}^{\circ}\text{K}$)	Thermal Conductivity ($\text{W/m}\cdot^{\circ}\text{K}$)	Thermal Impedance ($^{\circ}\text{C/W}$)	Size L x W x H (mm)	LED Surface Area (mm^2)	Volume (mm^3)	Markets
500400B0000G	Stampings	Square	10	Al-1100	23.6	220	5.0	46 x 46 x 32	2,116	67,712	CL TR BL SI
569000B0000G		Square	9	Al-1100	23.6	220	5.5	46 x 46 x 33	2,116	69,828	CL TR BL SI
373024B00000G	Pin fin	Square	2	Al-6063	23.4	209	33.3	28 x 28 x 9	784	7,056	CL TR BL SI
371824B00000G		Square	2	Al-6063	23.4	209	31.9	35 x 35 x 7	1,225	8,575	CL TR BL SI
364424B00000G		Square	3	Al-6063	23.4	209	18.4	40 x 40 x 11	1,600	18,240	CL TR BL SI
374424B00035G	Pin fin/thermal tape	Square	2	Al-6063	23.4	209	20.3	27 x 27 x 18	729	13,122	CL TR BL SI
375024B00032G		Square	4	Al-6063	23.4	209	12.2	40 x 40 x 18	1,600	28,800	CL TR BL SI
374724B00032G		Square	3	Al-6063	23.4	209	15.3	35 x 35 x 18	1,225	22,050	CL TR BL SI
637303B03000G	Extruded sink	Square	27	Al-6063	23.4	209	1.8	76 x 76 x 57	5,776	329,232	CL TR BL SI
766203B04000G		Square	28	Al-6063	23.4	209	1.8	102 x 102 x 32	10,404	332,928	CL TR BL SI
601403B06000G		Square	51	Al-6063	23.4	209	1.0	154 x 154 x 44	23,716	1,043,504	CL TR BL SI
656053B07000G		Square	106	Al-6063	23.4	209	0.5	177 x 177 x 71	31,329	2,224,359	CL TR BL SI

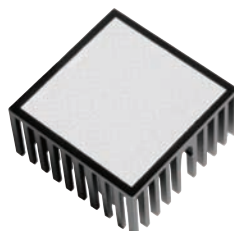
MARKETS LEGEND

CL COMMERCIAL LIGHTING FL FLASHLIGHTS TR TRANSPORTATION BL BACKLIGHTING SI SIGNAGE

Contact Arrow for samples



Stamped 569000B00000G



Pin fin/thermal tape
374724B00032G



Extruded 766203B04000G