BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin



*Image above is for illustration purpose only.

ATS Part#: **ATS019019019-PF-6R**

Description: 19.00 x 19.00 x 19.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin

Heat Sink Type: Custom Pin Fin

Heat Sink Attachment: N/A

Equivalent Part Number: N/A

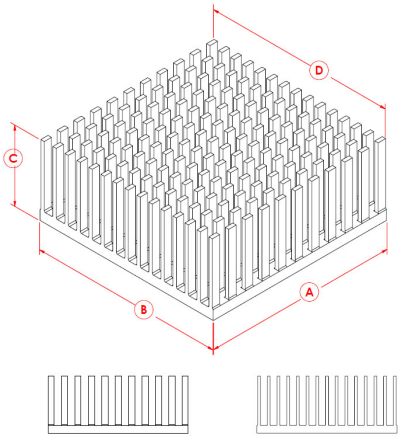
Features & Benefits

- High efficiency pin fin design provides low pressure drop characteristics
- Large surface area increases heat sink performance
- Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- Comes standard without interface material or with most common pressure sensitive thermal tapes as a custom option

Thermal Performance

AIR VELOCITY		@200 LFM 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 4.0 M/S
THERMAL RESISTANCE	Unducted Flow	7.32 °C/W	5.8 °C/W	5 °C/W	4.5 °C/W	4.2 °C/W	3.9 °C/W	3.7 °C/W
	Ducted Flow	4.9	4.2	3.8	3.5	3.2	3	2.9

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
 *Image above is for illustration purpose only.*	19.00 mm	19.00 mm	19.00 mm	19 mm	N/A	BLACK-ANODIZED

Notes:

- Dimension A and B refer to component size.
- Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
- Dimension D is fin tip to fin tip.
- Thermal performance data are provided for reference only. Actual performance may vary by application.
- ATS reserves the right to update or change its products without notice to improve the design or performance.
- ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.
- Contact ATS to learn about custom options available.

For more information, to find a distributor or to place an order, please contact us at 781-769-2800 (North America), sales@qats.com or www.qats.com.

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