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

RoHS COMPLIANT

Image above is for illustration purpose only.

ATS Part#:	**ATS021021011-PF012**
Description:	21.00 x 21.00 x 11.40 mm BGA Heat Sink (High Aspect Ratio Ext.) Standard Pin Fin
Heat Sink Type:	Standard Pin Fin
Heat Sink Attachment:	N/A
Equivalent Part Number:	N/A

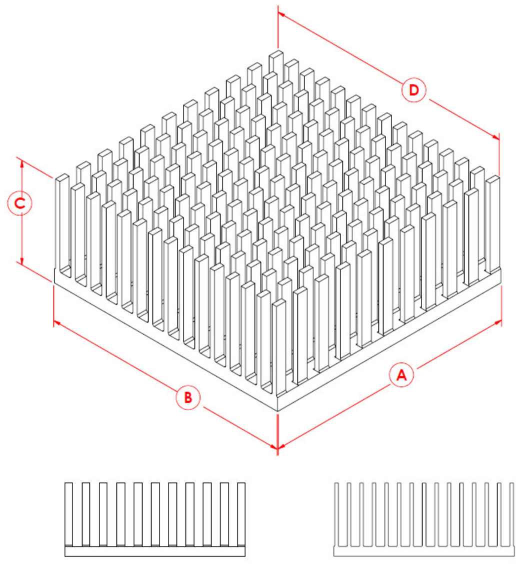
Features & Benefits

- Excellent balance of low cost and high performance in an aluminum heat sink.
- Designed for semiconductor devices with omni-directional airflow requirements.
- 6x6 pin array
- Available with a variety of thermal adhesive tape options. Contact sales@qats.com for product configurations.

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	15 °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W
	Ducted Flow	0	N/A	N/A	N/A	N/A	N/A	N/A

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
 *Image above is for illustration purpose only.*	21.00 mm	21.00 mm	11.40 mm	N/A mm	NO TIM	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.
- 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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