BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin



*Image above is for illustration purpose only.

ATS Part#: **ATS012012011-SF-2J**

Description: 12.00 x 12.00 x 11.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin

Heat Sink Type: Straight Fin

Heat Sink Attachment: N/A

Equivalent Part Number: N/A

Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- Higher performance helps ensure reliable product life at a lower cost than other extruded heat sinks
- 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	21.39 °C/W	17.3 °C/W	15 °C/W	13.5 °C/W	12.4 °C/W	11.5 °C/W	10.8 °C/W
	Ducted Flow	14.2	12	10.6	9.7	9	8.4	7.9

Product Detail

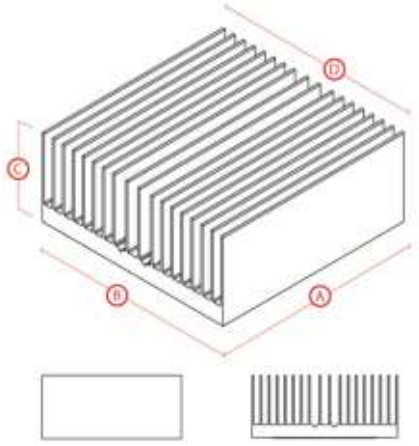
Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	12.00 mm	12.00 mm	11.00 mm	12 mm	N/A	BLACK-ANODIZED

*Image above is for illustration purpose only.

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.

© 2013 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA

ATS ADVANCED THERMAL SOLUTIONS, INC. Innovations in Thermal Management®