

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



ATS Part#: **ATS019019019-SF-6R**
 Description: 19.00 x 19.00 x 19.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin
 Heat Sink Type: **Straight Fin**
 Heat Sink Attachment: **superGRIP**
 Equivalent Part Number: **N/A**

**Image above is for illustration purpose only.*

Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- Features a low profile, slant fin array that offers many of the performance benefits of **maxiFLOW™** at a great value
- 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	6.82 °C/W	5.1 °C/W	4.3 °C/W	3.8 °C/W	3.5 °C/W	3.2 °C/W	3.1 °C/W
	Ducted Flow	4	3.4	3.1	2.8	2.6	2.5	2.3

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	19.00 mm	19.00 mm	19.00 mm	19 mm	N/A	BLACK-ANODIZED
<p>Notes:</p> <ul style="list-style-type: none"> • 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. 						

**Image above is for illustration purpose only.*

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

