

BGA Heat Sink (High Aspect Ratio Ext.)

Custom Pin Fin



ATS Part#:	ATS031031009-PF-10H
Description:	31.00 x 31.00 x 9.00 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

*Image above is for illustration purpose only.

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	9.13 °C/W	6.8 °C/W	5.7 °C/W	5.1 °C/W	4.6 °C/W	4.3 °C/W	4 °C/W
	Ducted Flow	5	4.2	3.7	3.4	3.2	3	2.8

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	31.00 mm	31.00 mm	9.00 mm	31 mm	N/A	BLACK-ANODIZED
Notes:						
<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.						

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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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