

# BGA Heat Sink (High Aspect Ratio Ext.)

## Custom Pin Fin



ATS Part#:	<b>ATS040040010-PF-13I</b>
Description:	40.00 x 40.00 x 10.00 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	6.37 °C/W	4.3 °C/W	3.5 °C/W	3.1 °C/W	2.8 °C/W	2.5 °C/W	2.4 °C/W
	Ducted Flow	3	2.5	2.2	2	1.9	1.8	1.7

### Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	40.00 mm	40.00 mm	10.00 mm	40 mm	N/A	BLACK-ANODIZED
<b>Notes:</b>						
<ul style="list-style-type: none"><li>Dimension A and B refer to component size.</li><li>Dimension C is the heat sink height from the bottom of the base to the top of the fin field.</li><li>Dimension D is fin tip to fin tip.</li><li>Thermal performance data are provided for reference only. Actual performance may vary by application.</li><li>ATS reserves the right to update or change its products without notice to improve the design or performance.</li><li>ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.</li><li>Contact ATS to learn about custom options available.</li></ul>						

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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](mailto:sales@qats.com) or [www.qats.com](http://www.qats.com).

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