

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



ATS Part#: **ATS045045004-PF-15C**
 Description: 45.00 x 45.00 x 4.00 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	20.31 °C/W	13.3 °C/W	9.9 °C/W	8.2 °C/W	7.1 °C/W	6.4 °C/W	5.9 °C/W
	Ducted Flow	5.2	4.4	3.9	3.6	3.3	3.1	2.9

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
<i>*Image above is for illustration purpose only.</i>	45.00 mm	45.00 mm	4.00 mm	45 mm	N/A	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. • 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



Rev - 050413