

Part Number
ATS010010002-PF-1A
ATS010010003-PF-1B
ATS010010004-PF-1C
ATS010010005-PF-1D
ATS010010006-PF-1E
ATS010010007-PF-1F
ATS010010008-PF-1G
ATS010010009-PF-1H
ATS010010010-PF-1I
ATS010010011-PF-1J
ATS010010012-PF-1K
ATS010010013-PF-1L
ATS010010014-PF-1M
ATS010010015-PF-1N
ATS010010016-PF-1O
ATS010010017-PF-1P
ATS010010018-PF-1Q
ATS010010019-PF-1R
ATS010010020-PF-1S
ATS010010021-PF-1T
ATS010010022-PF-1U
ATS010010023-PF-1V
ATS010010024-PF-1W
ATS010010025-PF-1X
ATS012012002-PF-2A
ATS012012003-PF-2B
ATS012012004-PF-2C
ATS012012005-PF-2D
ATS012012006-PF-2E
ATS012012007-PF-2F
ATS012012008-PF-2G
ATS012012009-PF-2H
ATS012012010-PF-2I
ATS012012011-PF-2J
ATS012012012-PF-2K
ATS012012013-PF-2L
ATS012012014-PF-2M
ATS012012015-PF-2N
ATS012012016-PF-2O
ATS012012017-PF-2P
ATS012012018-PF-2Q
ATS012012019-PF-2R
ATS012012020-PF-2S
ATS012012021-PF-2T
ATS012012022-PF-2U
ATS012012023-PF-2V
ATS012012024-PF-2W
ATS012012025-PF-2X
ATS014014002-PF-3A

ATS014014003-PF-3B
ATS014014004-PF-3C
ATS014014005-PF-3D
ATS014014006-PF-3E
ATS014014007-PF-3F
ATS014014008-PF-3G
1 2 3 4 5 6 7

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



ATS Part#: **ATS010010002-PF-1A**
 Description: 10.00 x 10.00 x 2.00 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	70.15 °C/W	64.6 °C/W	60.4 °C/W	56.8 °C/W	53.8 °C/W	51.2 °C/W	49 °C/W
	Ducted Flow	55.1	46.1	40.5	36.6	33.7	31.4	29.5

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
<p><i>*Image above is for illustration purpose only.</i></p>	10.00 mm	10.00 mm	2.00 mm	10 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. 						

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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