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



ATS Part#:

Description:

Heat Sink Type: Heat Sink Attachment:

Custom Pin Fin

ATS045045010-PF-15I

45.00 x 45.00 x 10.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin

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 ٠

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 | 5.77 °C/W | 3.8 °C/W | 3 °C/W | 2.6 °C/W | 2.3 °C/W | 2.1 °C/W | 2 °C/W |
| | Ducted Flow | 2.5 | 2.1 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 |

Product Detail

| Schematic Image | Dimension A | Dimension B | Dimension C | Dimension D | ТІМ | Finish |
|---|---|--|--|---|--------------------|----------------|
| alka | 45.00 mm | 45.00 mm | 10.00 mm | 45 mm | N/A | BLACK-ANODIZED |
| Image above is for illustration purpose only. | Dimensior Dimensior Thermal p application ATS reserver performan ATS certification | D is fin tip to fin tip performance data are n. a. b. the right to update b. the right to update | e provided for refere ate or change its pro | m of the base to the nce only. Actual perf ducts without notice -6 and REACH com ble. | formanc to impr | e may vary by |

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