BGA Heat Sink - High Performance maxiFLOW/superGRIP-Low-Profile



*Image above is for illustration purpose only.

ATS Part#: **ATS-X51230D-C1-R0**

Description: 23.00 x 23.00 x 9.50 mm BGA Heat Sink - High Performance maxiFLOW/superGRIP-Low-Profile

Heat Sink Type: maxiFLOW

Heat Sink Attachment: superGRIP

Equivalent Part Number: N/A

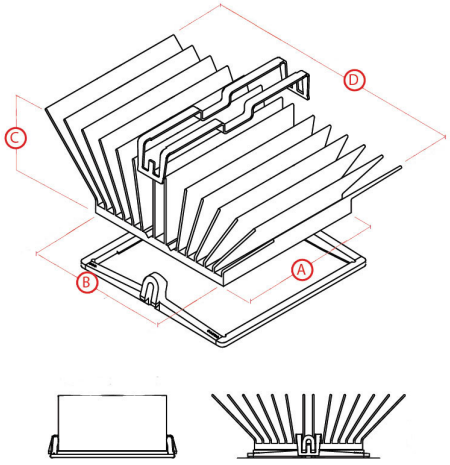
Features & Benefits

- Requires minimal space around the component's perimeter; ideal for densely populated PCBs
- Allows the heat sink to be detached and reattached without damaging the component or the PCB, an important feature in the event a PCB may need to be reworked
- Strong, uniform attachment force helps achieve maximum performance from phase-change TIMs
- Eliminates the need to drill mounting holes in the PCB
- Assembly comes standard with a high performance maxiFLOW™ heat sink, which maximizes convection (air) cooling. Please refer to the superGRIP™ Keep-Out Guidelines and superGRIP™ Installation/Removal Guide for further details
- Comes standard with clean break, reworkable, Chomerics T-766 phase change material
- Designed for standard height components, from 1.5 to 2.9 mm

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	11.0 °C/W	8.9 °C/W	7.7 °C/W	6.9 °C/W	6.3 °C/W	5.8 °C/W	5.4 °C/W
	Ducted Flow	7.5	N/A	N/A	N/A	N/A	N/A	N/A

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
 *Image above is for illustration purpose only.	23.00 mm	23.00 mm	9.50 mm	37.52 mm	T766	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.
- 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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