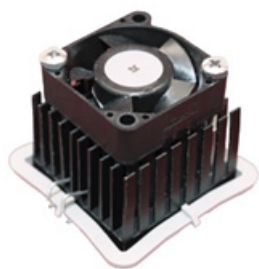


# BGA Heat Sink - High Performance fanSINK™ with maxiGRIP™ Attachment



\*Image above is for illustration purpose only.

ATS Part#:	<b>ATS-61450W-C1-R0</b>
Description:	45.00 x 45.00 x 24.50 mm BGA Heat Sink - High Performance fanSINK™ with maxiGRIP™ Attachment
Heat Sink Type:	fanSINK
Heat Sink Attachment:	maxiGRIP
Equivalent Part Number:	N/A

## Features & Benefits

- Cross Cut Straight Fin Heat Sink offering omni-directional air flow for optimum thermal performance independent of PCB Layout
- Stainless Steel Screw Fan Attachment - Ensures dependable long-term fan to heat sink assembly
- Component Attachment - ATS maxiGRIP™ is a proven high reliability mechanical attachment system
- ATS maxiGRIP™ Hardware includes a High Performance Plastic “Frame Clip” and a 300 series stainless steel spring clip, avoiding the need for holes in a PCB
- Provided with pre-assembled Thermal Interface Material (TIM) centered on base
- Please Note: FAN NOT INCLUDED. Fan type is specific to individual customer requirements. Fans need to be sourced independently

## 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	1.1 °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W	N/A °C/W
	Ducted Flow	0	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
<p>*Image above is for illustration purpose only.</p>	45.00 mm	45.00 mm	24.50 mm	N/A mm	Chomerics T412	Black
<b>Notes:</b> <ul style="list-style-type: none"> <li>• Dimension <b>A</b> and <b>B</b> refer to component size.</li> <li>• Dimension <b>C</b> is the heat sink height from the bottom of the base to the top of the fin field.</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>• Optional <b>maxiGRIP™</b> Installation/Removal Tool Set P/N: <b>MGT450</b></li> <li>• Contact ATS to learn about custom options available.</li> </ul>						

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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