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





ATS Part#: ATS-X51350R-C1-R0

Description: 35.00 x 35.00 x 19.50 mm BGA Heat Sink - High Performance maxiFLOW/superGRIP-

Low-Profile

Heat Sink Type: maxiFLOW

Heat Sink Attachment: superGRIP

Equivalent Part Number: N/A

#### \*Image above is for illustration purpose only.

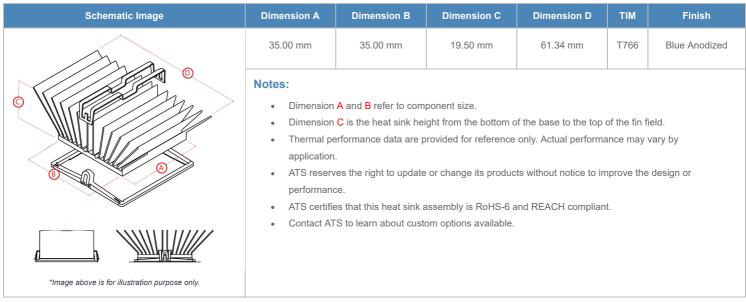
## **Features & Benefits**

- · 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<br>1.0 M/S | @300 LFM<br>1.5 M/S | @400 LFM<br>2.0 M/S | @500 LFM<br>2.5 M/S | @600 LFM<br>3.0 M/S | @700 LFM<br>3.5 M/S | @800 LFM<br>4.0 M/S |
|--------------------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| THERMAL RESISTANCE | Unducted Flow | 2.2 °C/W            | 1.8 °C/W            | 1.5 °C/W            | 1.4 °C/W            | 1.2 °C/W            | 1.2 °C/W            | 1.1 °C/W            |
|                    | Ducted Flow   | 1.6                 | N/A                 | N/A                 | N/A                 | N/A                 | N/A                 | N/A                 |

## **Product Detail**



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.

