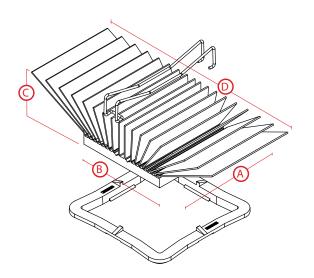


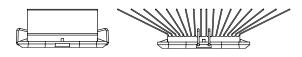
# Ultra High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

# ATS PART # ATS-50230G-C2-R0

## **Features & Benefits**

- » maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- » maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- » Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock and Unpackaged Drop Testing standards
- » Comes preassembled with high performance, phase changing, thermal interface material
- » Designed for standard height components from 3 to 4.5mm





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

# **Thermal Performance**

| AIR VELOCITY |                             | THERMAL RESISTANCE   |  |  |
|--------------|-----------------------------|--|--|--|
| M/S          | °C/W (UNDUCTED FLOW)        | °C/W (DUCTED FLOW)   |  |  |
| 1.0          | 6.7                         | 5.4  |  |  |
| 1.5          | 5.5                         |  |  |  |
| 2.0          | 4.8                         |  |  |  |
| 2.5          | 4.3                         |  |  |  |
| 3.0          | 3.9                         |  |  |  |
| 3.5          | 3.6                         |  |  |  |
| 4.0          | 3.4                         |  |  |  |
|              | M/S 1.0 1.5 2.0 2.5 3.0 3.5 | M/S °C/W (UNDUCTED FLOW)  1.0 6.7  1.5 5.5  2.0 4.8  2.5 4.3  3.0 3.9  3.5 3.6 |  |  |

## **Product Details**

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | INTERFACE MATERIAL  | FINISH        |
|-------------|-------------|-------------|-------------|---------------------|---------------|
| 23 mm       | 23 mm       | 12.5 mm     | 41.5 mm     | SAINT-GOBAIN C1100F | BLUE-ANODIZED |

#### NOTES:

- Dimension C = heat sink height from bottom of the base to the top of the fin field.
- ATS-50230G-C1-R0 is a substitute item available utilizing an equivalent phase change material (Chomerics T766).
- 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.
- 5) Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT230
- 6) Contact ATS to learn about custom options available.



For more information, to find a distributor or to place an order, visit www.qats.com or call: 781.769.2800 (North America); +31 (0) 3569 84715 (Europe).