

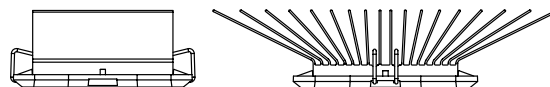
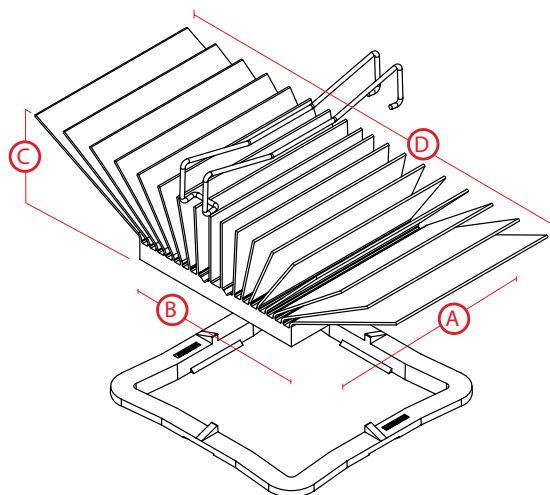


# Ultra High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

**ATS PART # ATS-50310P-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

FT/MIN

M/S

200

1.0

300

1.5

400

2.0

500

2.5

600

3.0

700

3.5

800

4.0

### THERMAL RESISTANCE

°C/W (UNDUCTED FLOW)

°C/W (DUCTED FLOW)

3.3

2.7

2.7

2.3

2.1

1.9

1.8

1.7

## Product Details

DIMENSION A

DIMENSION B

DIMENSION C

DIMENSION D

INTERFACE MATERIAL

FINISH

31 mm

31 mm

17.5 mm

54.9 mm

SAINT-GOBAIN C1100F

BLUE-ANODIZED

### NOTES:

- 1) Dimension C = heat sink height from bottom of the base to the top of the fin field.
- 2) ATS-50310P-C1-R0 is a substitute item available utilizing an equivalent phase change material (Chomerics T766).
- 3) Thermal performance data are provided for reference only. Actual performance may vary by application.
- 4) 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: MGT310
- 6) Contact ATS to learn about custom options available.



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THERMAL  
SOLUTIONS, INC.  
Innovations in Thermal Management®

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

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