



Ultra High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

ATS PART # ATS-51210R-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 low profile components from 1.5 to 2.99mm



**Image above is for illustration purposes only.*

Thermal Performance

AIR VELOCITY

THERMAL RESISTANCE

| FT/MIN | M/S | °C/W (UNDUCTED FLOW) | °C/W (DUCTED FLOW) |
|--------|-----|----------------------|--------------------|
| 200 | 1.0 | 5.3 | 4.2 |
| 300 | 1.5 | 4.4 | |
| 400 | 2.0 | 3.8 | |
| 500 | 2.5 | 3.4 | |
| 600 | 3.0 | 3.2 | |
| 700 | 3.5 | 2.9 | |
| 800 | 4.0 | 2.8 | |

Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | INTERFACE MATERIAL | FINISH |
|-------------|-------------|-------------|-------------|---------------------|-----------------|
| 21 mm | 21 mm | 19.5 mm | 38.2 mm | SAINT-GOBAIN C1100F | BLACK- ANODIZED |

NOTES:

- 1) Dimension C = heat sink height from bottom of the base to the top of the fin field.
- 2) ATS-51210R-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: MGT210
- 6) Contact ATS to learn about custom options available.



ATS ADVANCED
THERMAL
SOLUTIONS, INC.
Innovations in Thermal Management®

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).

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for advanced thermal solutions manufacturer:

Other Similar products are found below :

[ATS-52300B-C2-R0](#) [MGT270](#) [CS-12SHSS-A](#) [ATS-HP-F5L100S30W-031](#) [CS-95SHS-A](#) [TLC-100-DIST](#) [PTM-1000-030](#) [ATS-FM-66](#)
[tvLYT](#) [ATVS-2020-8](#) [eATVS-4](#) [MGT350](#) [MGT310](#) [ATS-58000-C1-R0](#) [eATVS-8](#) [ATS-EXL70-300-R0](#) [ATS-X50425G-C1-R0](#) [ATS-](#)
[EXL105-300-R0](#) [ATS-EXL100-300-R0](#) [ATS-TMDK-96](#) [ATS-CP-1003](#) [ATS-EXL62-1220-R0](#) [ATS-EXL60-1220-R0](#) [CS-9S6SS-A](#) [ATS-](#)
[EXL63-300-R0](#) [ATS-TCP-1002](#) [MGT290](#) [ATS-EXL110-1220-R0](#) [ATS-EXL105-1220-R0](#) [ATS-EXL2-254-R0](#) [ATS-EXL312-300-R0](#) [ATS-](#)
[EXL113-300-R0](#) [ATS-EXL119-300-R0](#) [ATS-TCP-1000](#) [MIC 1000-20](#) [ATS-EXL103-300-R0](#) [ATS-1039-C3-R0](#) [ATS-EXL100-1220-R0](#)
[ATS-EXL75-1220-R0](#) [ATS-EXL66-1220-R0](#) [ATS-FM-22](#) [MGT450](#) [ATS-EXL58-1220-R0](#) [ATS-EXL65-1220-R0](#) [ATS-EXL99-1220-R0](#)
[MGT425](#) [ATS-1040-C1-R0](#) [ATS-54325R-C1-R0](#) [MGT400](#) [ATSEU-077D-C1-R0](#)