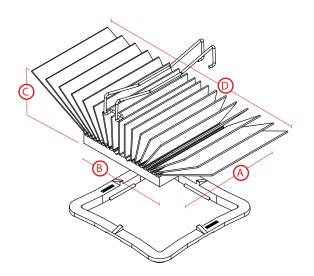


# Ultra High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

## ATS PART # ATS-51210D-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





# **Thermal Performance**

\*Image above is for illustration purposes only.

AIR VELOCITY		THERMAL RESISTANCE		
FT/MIN	M/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)	
200	1.0	12	8	
300	1.5	9.7		
400	2.0	8.3		
500	2.5	7.5		
600	3.0	6.8		
700	3.5	6.3		
800	4.0	5.9		

### **Product Details**

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
21 mm	21 mm	9.5 mm	34.6 mm	SAINT-GOBAIN C1100F	BLACK- ANODIZED

#### NOTES:

- Dimension C = heat sink height from bottom of the base to the top of the fin field.
- ATS-51210D-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.
- ATS reserves the right to update or change its products without notice to improve the design or performance.
- Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT210
- 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).