

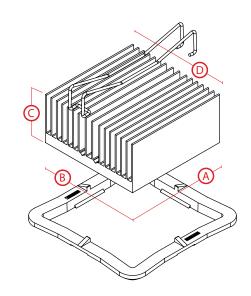
High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

ATS PART # ATS-53190R-C2-R0

Features & Benefits

- » High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- » maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- » Designed specifically for BGAs and other surface mount packages
- » Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock Testing and Unpackaged Drop Testing standards
- » Comes preassembled with high performance, phase changing, thermal interface material

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	8.4	5.3			
300	1.5	6.8				
400	2.0	5.9				
500	2.5	5.3				
600	3.0	4.9				
700	3.5	4.5				
800	4.0	4.3				

Product Details

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
19 mm	19 mm	19.5 mm	19 mm	SAINT-GOBAIN C1100F	BLACK-ANODIZED

NOTES:

- ATS-53190R-C1-R0 is a subsitute 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.
- 5) Optional maxiGRIP[™] Installation/Removal Tool Set P/N: MGT190
- 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).

¹⁾ Dimension C = heat sink height from bottom of the base to the top of the fin field.