

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

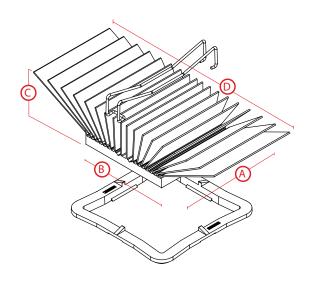
### ATS PART # ATS-50190P-C2-R0

#### **Features & Benefits**

- » maxiFLOW<sup>™</sup> 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

**Thermal Performance** 

» Designed for standard height components from 3 to 4.5mm





\*Image above is for illustration purposes only.

AIR VELOCITY			THERMAL RESISTANCE		
FT/MIN	Μ	/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)	
200	1	.0	7.7	6.4	
300	1	.5	6.3		
400	2	.0	5.6		
500	2	.5	5		
600	3	.0	4.6		
700	3	.5	4.3		
800	4	.0	4		

#### **Product Details**

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
19 mm	19 mm	17.5 mm	34.7 mm	SAINT-GOBAIN C1100F	BLUE-ANODIZED

#### NOTES:

- ATS-50190P-C1-R0 is a subsitute item available utilizing an equivalent phase change material (Chomerics T766).
- Thermal performance data are provided for reference only. Actual performance may vary by application.
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- 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).

www.DataSheet4U.com

 $_{\rm N}$  Dimension G heat sink height from bottom of the base to the top of the fin field.