

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

**DIGI-KEY PART # ATS1033-ND**

ATS PART # ATS-50190P-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



## Thermal Performance Table

AIR VELOCITY		THERMAL RESISTANCE	
FT/MIN	M/S	°C/W (UNDUCTED)	°C/W (DUCTED)
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	TIM‡	FINISH
19	19	17.5	34.74	C1100F	BLUE-ANODIZED

For further technical information, please contact Advanced Thermal Solutions, Inc. at **1-781-769-2800** or **www.qats.com**

\* RoHS Compliant

‡ TIM = Thermal Interface Material

† Dimensions are measured in millimeters

♦ Dimensions A & B refer to component size

§ Dimension C = the height of the heat sink shown above and does not include the height of the attachment method



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