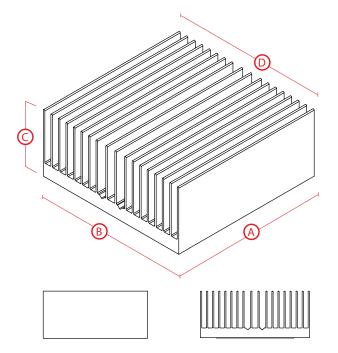


# High Performance BGA Cooling Solutions w/ Thermal Tape Attachment

### ATS PART # ATS-54190R-C2-R0

#### **Features & Benefits**

- » High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- » Designed specifically for BGAs and other surface mount packages
- » Comes preassembled with high performance 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 C675	BLACK-ANODIZED

#### NOTES

- 1) Dimension C = heat sink height from bottom of the base to the top of the fin field.
- 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.
- 4) 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).