# High Performance BGA Cooling Solutions w/ Thermal Tape Attachment\*

### DIGI-KEY PART # ATS1330-ND

ATS PART # ATS-55450W-C2-R0

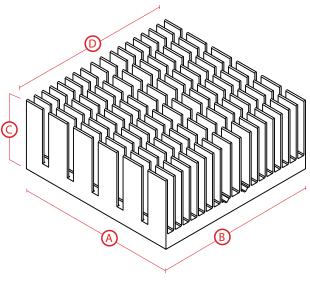
#### Features & Benefits

High efficiency cross-cut fin design provides low pressure drop characteristics

Large surface area increases heat sink performance

Designed for BGAs and surface mount packages

Comes preassembled with high performance thermal interface material





#### **Thermal Performance Table**

AIR VELOCITY		THERMAL RESISTANCE		
FT/MIN	M/S	°C/W (UNDUCTED)	°C/W (DUCTED)	
200	1.0	2.3	NA	
300	1.5	NA		
400	2.0	NA		
500	2.5	NA		
600	3.0	NA		
700	3.5	NA		
800	4.0	NA		

## **Product Details**<sup>†</sup>

DIMENSION A	DIMENSION B	DIMENSION C <sup>§</sup>	DIMENSION D	TIM <sup>‡</sup>	FINISH
45	45	24.5	N/A	C675	BLACK-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

