# **High Performance BGA Cooling Solutions**





ATS Part#: Description:

Heat Sink Type: Heat Sink Attachment: Equivalent Part Number:

#### ATS-55190K-C0-R0

High Performance X-CUT -Heat Sink, BLACK-ANODIZED Cross-Cut N/A None

\*Image above is for illustration purposes only.

### **Features & Benefits**

- » High efficiency cross-cut fin design provides low pressure drop characteristics
- » Large surface area increases heat sink performance
- » Designed specifically for BGAs and other surface mount packages

Ther	e							
AIR VELOCITY		@200 LFM 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 4.0 M/S
THERMAL RESISTANCE	Unducted Flow	13.1°C/W	11.5°C/W	10.0°C/W	9.1°C/W	8.4°C/W	7.8°C/W	7.3°C/W
	Ducted Flow	n/a						

## **Product Details**

SCHEMATIC IMAGE	Dimension A	Dimension B	Dimension C	Dimension D	ТІМ	Finish			
K.	19.0 mm	19.0 mm	14.5 mm	19.0 mm	N/A	Black-Anodized			



#### NOTES:

- 1) Dimension A and B refer to component size.
- 2) Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
- Thermal performance data are provided for reference only. Actual performance may vary byapplication.
- ATS reserves the right to update or change its products without notice to improve the design orperformance.
- 5) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.
- 6) Contact ATS to learn about custom options available.





For further technical information, please contact Advanced Thermal Solutions, Inc. 89-27 ACCESS ROAD, NORWOOD, MA 02062 USA | T: 781.769. 2800 F: 781.769.9979 | WWW.QATS.COM