## BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile





ATS Part#: ATS-51190K-C1-R0

Description: 19.00 x 19.00 x 14.50 mm BGA Heat Sink - High

Performance maxiFLOW/maxiGRIP-Low Profile

Heat Sink Type: maxiFLOW
Heat Sink Attachment: maxiGRIP

Equivalent Part Number: ATS-51190K-C2-R0 Discontinued

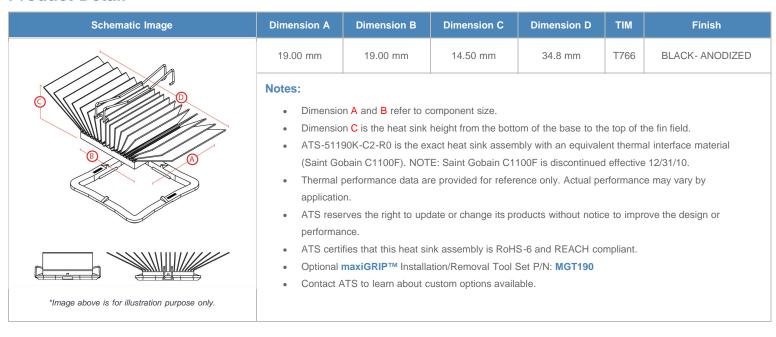
## **Features & Benefits**

- maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- maxiGRIPTM 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 low profile components from 1.5 to 2.99mm

## Thermal Performance

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	10.1 °C/W	8.3 °C/W	7.2 °C/W	6.4 °C/W	5.9 °C/W	5.5 °C/W	5.1 °C/W
	Ducted Flow	7.9	N/A	N/A	N/A	N/A	N/A	N/A

## **Product Detail**







<sup>\*</sup>Image above is for illustration purpose only.