High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment





ATS Part#: ATS-53190K-C1-R0

Description: maxiGRIP™ HS Assembly-SF-LP, T766, BLACK-ANODIZED

Heat Sink Type: Straight Fin
Heat Sink Attachment: maxiGRIP

Equivalent Part Number: ATS-53190K-C2-R0 Discontinued

*Image above is for illustration purpose only.

Features & Benefits

- · High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- · Designed specifically for BGAs and other surface mount packages
- Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock Testing and Unpackaged Drop Testing standards
- Comes pre-assembled with high performance, phase changing, thermal interface material
- Designed for low profile components from 1.5 to 2.99mm
- "Keep-Out" Requirements: An "Un-Populated" border zone of 5mm around the component is necessary to facilitate the Installation/Removal of the maxiGRIP™. Please refer to the maxiGRIP™ Keep-Out Guidelines and maxiGRIP™ Installation/Removal Instructions for further details.

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	11.99 °C/W	9.64 °C/W	8.36 °C/W	7.51 °C/W	6.89 °C/W	6.41 °C/W	6.02 °C/W
	Ducted Flow	7.42	n/a	n/a	n/a	n/a	n/a	n/a

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	19.0 mm	19.0 mm	14.5 mm	mm	T766	BLACK-ANODIZED
*Image above is for illustration purpose only.	Dimension ATS-5319 (Saint Go Thermal papplicatio ATS reserve performar ATS certif Optional r	POK-C2-R0 is the exbain C1100F). NOT performance data aren. rives the right to updace. fies that this heat simmaxiGRIP™ Installa	omponent size. height from the botto act heat sink assem E: Saint Gobain C11 e provided for refere late or change its pro nk assembly is RoH3 tion/Removal Tool S ustom options availa	bly with an equivaled 100F is discontinued ence only. Actual per oducts without notices 6-6 and REACH cores by the P/N: MGT190	effective	al interface material 12/31/10. e may vary by

For more information, to find a distributor or to place an order, please contact us at 781-769-2800 (North America), sales@qats.com or www.qats.com.

