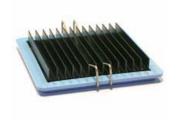
## High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment





ATS Part#: ATS-53450K-C1-R0

Description: maxiGRIP™ HS Assembly-SF-LP, T412, BLACK-ANODIZED

Heat Sink Type: Straight Fin
Heat Sink Attachment: maxiGRIP

Equivalent Part Number: ATS-53450K-C2-R0

\*Image above is for illustration purpose only.

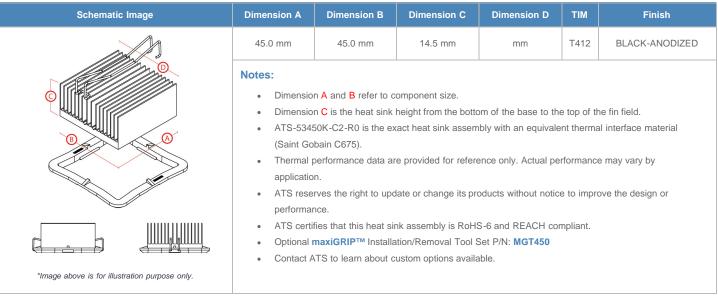
## **Features & Benefits**

- · 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 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	4.14 °C/W	2.83 °C/W	2.30 °C/W	2.01 °C/W	1.82 °C/W	1.68 °C/W	1.57 °C/W
	Ducted Flow	1.89	n/a	n/a	n/a	n/a	n/a	n/a

## **Product Detail**



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.



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