High Performance BGA Cooling Solutions w/ maxiGRIP[™] Attachment





ATS Part#:

Description:

ATS-53450D-C1-R0

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

Heat Sink Type: Straight Fin Heat Sink Attachment: Equivalent Part Number: ATS-53450D-C2-R0

maxiGRIP

*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 ٠ 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	8.41 °C/W	5.43 °C/W	4.31 °C/W	3.71 °C/W	3.33 °C/W	3.06 °C/W	2.85 °C/W
	Ducted Flow	2.94	n/a	n/a	n/a	n/a	n/a	n/a

Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	ТІМ	Finish
	45.0 mm	45.0 mm	9.5 mm	mm	T412	BLACK-ANODIZED
■ The second	 Dimension ATS-5345 (Saint Go Thermal p applicatio ATS resen performar ATS certif Optional r 	50D-C2-R0 is the ex bain C675). performance data ar n. rves the right to upd nce. ries that this heat sir maxiGRIP™ Installa	height from the botto	nbly with an equivale ence only. Actual pe oducts without notic S-6 and REACH co Set P/N: MGT450	ent thermanc rformanc e to impre	al interface material 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.

