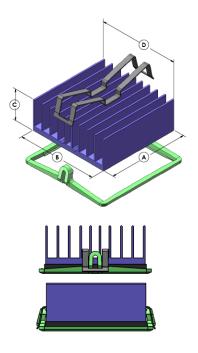
# High Performance BGA Cooling Solutions with superGRIP™ Attachment



### **Features & Benefits**

- » Designed for 21 x 21 mm BGA components
- » superGRIP<sup>™</sup> super strong, uniform attachment force helps achieve maximum performance from phase-changing TIM and does not require holes in the PCB
- » Allows the heat sink to be detached and reattached without damaging the component and/or the PCB, an important feature in the event a PCB may need to be reworked
- » Meets Telcordia GR-63-Core Office Vibration, ETSI 300 019 Transportation Vibration, and MIL-STD-810 Shock Testing and Unpackaged Drop Testing standards
- » Requires minimal space around the component's perimeter; ideal for densely populated PCBs
- » "Keep-Out" Requirements: An "Un-Populated" boarder zone of 3 mm around the component is necessary to facilitate the Installation/Removal of the superGRIP™. Please refer to the superGRIP™ Keep-Out Guidelines and superGRIP™ Installation/Removal Instructions for further details





*Image a	above is	tor	illustration	purposes	only.
----------	----------	-----	--------------	----------	-------

AIR VELOCITY		THERMAL RESISTANCE		
M/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)		
1.0	11.1	7.1		
1.5	9.0			
2.0	7.8			
2.5	7.0			
3.0	6.4			
3.5	6.0			
4.0	5.6			
	M/S 1.0 1.5 2.0 2.5 3.0 3.5	M/S °C/W (UNDUCTED FLOW)   1.0 11.1   1.5 9.0   2.0 7.8   2.5 7.0   3.0 6.4   3.5 6.0		

### **Product Details**

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
21 mm	21 mm	12.5 mm	21 mm	CHOMERICS T-766	<b>BLUE ANODIZED</b>

#### NOTES:

1) DIMENSIONS ARE MEASURED IN MILLIMETERS

2) DIMENSIONS A & B REFER TO COMPONENT SIZE

3) DIMENSION C = THE HEIGHT OF THE HEAT SINK SHOWN ABOVE AND DOES NOT INCLUDE THE HEIGHT OF THE ATTACHMENT METHOD

4) ATS RESERVES THE RIGHT TO UPDATE OR CHANGE IT PRODUCTS WITHOUT NOTICE

5) CONTACT ATS TO LEARN ABOUT CUSTOM OPTIONS AVAILABLE



# For more information, to find a distributor or to place an order, visit www.qats.com or call: 781.769.2800 (North America); +31 (0) 3569 84715 (Europe).



## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Heat Sinks category:

Click to view products by Advanced Thermal Solutions manufacturer:

Other Similar products are found below :

581102B00000G 630-35ABT3 656-15ABPE 657-20ABPNE 73452PPBA 7721-13NG 7G0011A FI306/SE PF720G A22-4026 120-1873-007 HAH10L 1542256-2 1542026-1 1542616-1 HS-2506-F1 HS-87M0-F2 218-40CTE3 25-7520 188854F00000G F-QB-F1 APA501-60-003 253-122ABE-22 PSC22CB CLP-201 CLP212SG CLP-7701G HAA072 HAA083 HAF10L HAQ10T D10100-28 TO5-002D 513101B02500G BDN183CBA01 531202B0000 HS-56M0-C1 3-21053-4 TX0506-1B TX1806B 336614B-00000 V2004X LAE66A3CB WA-DT2-101E 511-3U 017177 530510B00000G 6110BG 73381PPBA 73403PPBA