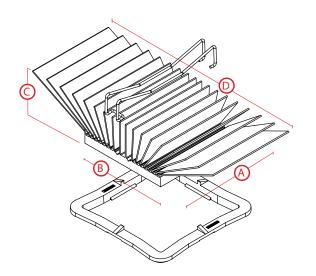


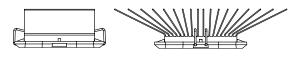
# Ultra High Performance BGA Cooling Solutions w/ maxiGRIP™ Attachment

## ATS PART # ATS-50230B-C2-R0

### **Features & Benefits**

- » maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- » maxiGRIP™ 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 standard height components from 3 to 4.5mm





#### \*Image above is for illustration purposes only

<b>Thermal</b>	<b>Performa</b>	ance
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AIR VELOCITY		THERMAL RESISTANCE		
M/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)		
1.0	10.9	8.3		
1.5	8.7			
2.0	7.5			
2.5	6.7			
3.0	6.2			
3.5	5.7			
4.0	5.3			
	M/S 1.0 1.5 2.0 2.5 3.0 3.5	M/S °C/W (UNDUCTED FLOW)  1.0 10.9  1.5 8.7  2.0 7.5  2.5 6.7  3.0 6.2  3.5 5.7		

# **Product Details**

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
23 mm	23 mm	7.5 mm	37.5 mm	SAINT-GOBAIN C1100F	BLUE-ANODIZED

#### NOTES

- WWW Dimension Car heat sink height from bottom of the base to the top of the fin field.
  - ATS-50230B-C1-R0 is a substitute item available utilizing an equivalent phase change material (Chomerics T766).
- Thermal performance data are provided for reference only. Actual performance may vary by application.
- ATS reserves the right to update or change its products without notice to improve the design or performance.
- Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT230
- 6) 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).