

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

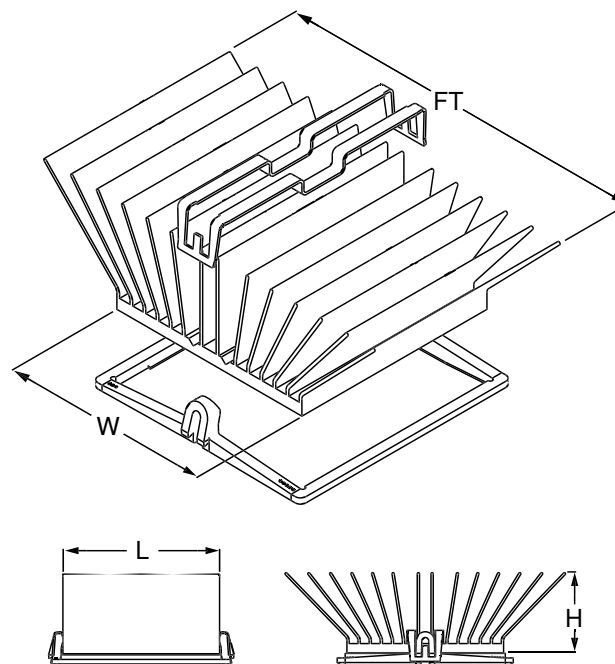


High Performance BGA Cooling Solutions w/ superGRIP™ Attachment

ATS PART # ATS-X50350G-C1-R0

Features & Benefits

- » Designed for 35 x 35 mm BGA components
- » Requires minimal space around the component's perimeter; ideal for densely populated PCBs
- » Allows the heat sink to be detached and reattached without damaging the component or the PCB, an important feature in the event a PCB may need to be reworked
- » Strong, uniform attachment force helps achieve maximum performance from phase-changing TIMs
- » Eliminates the need to drill mounting holes in the PCB
- » Assembly comes standard with a high performance maxiFLOW™ heat sink which maximizes convection (air) cooling
- » Comes standard with clean break, reworkable, Chomerics T-766 phase change material



*Image above is for illustration purposes only.

Thermal Performance

AIR VELOCITY

THERMAL RESISTANCE

| FT/MIN | M/S | °C/W (UNDUCTED FLOW) | °C/W (DUCTED FLOW) |
|--------|-----|----------------------|--------------------|
| 200 | 1.0 | 3 | 2.2 |
| 300 | 1.5 | 2.3 | |
| 400 | 2.0 | 2 | |
| 500 | 2.5 | 1.8 | |
| 600 | 3.0 | 1.6 | |
| 700 | 3.5 | 1.5 | |
| 800 | 4.0 | 1.4 | |

Product Details

| LENGTH | WIDTH | HEIGHT | FIN TIP to FIN TIP | INTERFACE MATERIAL | FINISH |
|--------|-------|---------|--------------------|--------------------|---------------|
| 35 mm | 35 mm | 12.5 mm | 57.2 mm | CHOMERICS T766 | BLUE-ANODIZED |

NOTES:

- 1) Length and width dimensions refer to the size of the component. Dimensions of the heat sink are subject to tolerances of up to .99 mm in order to accommodate the clip assembly
- 2) Thermal performance data are provided for reference only. Actual performance may vary by application
- 3) ATS reserves the right to update or change its products without notice to improve the design or performance
- 4) Additional tooling fees may be required
- 5) Typical lead time is a minimum of 4-6 weeks
- 6) Contact ATS to learn about custom options available



ATS ADVANCED THERMAL SOLUTIONS, INC.
Innovations in Thermal Management®

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).