

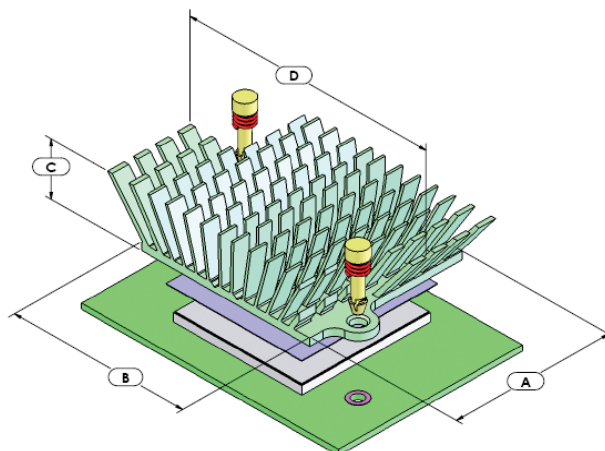


maxiFLOW™ Cross Cut High Performance Heat Sinks with Plastic Push Pin

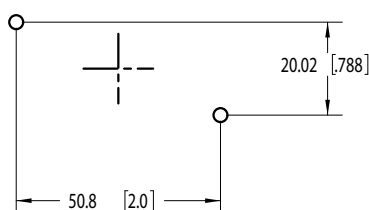
ATS PART # ATS-1042-C1-R0

Features & Benefits

- » For larger heat sinks and higher pre-loads, push pins with compression springs are an effective mounting choice. The push pin has a flexible barb at the end that is designed to engage with a pre-drilled hole in a PWB. The compression spring adds the necessary force to hold the assembly together. Provides better thermal performance than comparable size straight fin and pin fin heat sinks.
- » Features proven high performance maxiFLOW™ heat sink spread fin array to maximize cooling surfaces.
- » Ideal for tight spaced components where wider heat sinks can't be used.
- » Provided with pre-assembled thermal interface material centered on base.
- » Nylon pushpin with steel compression spring.
- » Recommended through hole size in PCB is 3.00 mm.



HOLE PATTERN B



**Image above is for illustration purposes only.*

Thermal Performance

| AIR VELOCITY | | THERMAL RESISTANCE (°C/W UNDUCTED) | |
|--------------|-----|------------------------------------|-------------------|
| FT/MIN | M/S | AIR FLOW STRAIGHT | AIR FLOW SIDEWAYS |
| 200 | 1.0 | 3.3 | 5.6 |
| 300 | 1.5 | 2.5 | 4.3 |
| 400 | 2.0 | 2.0 | 3.4 |
| 500 | 2.5 | 1.8 | 2.6 |
| 600 | 3.0 | 1.7 | 2.2 |

Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | INTERFACE MATERIAL | FINISH |
|-------------|-------------|-------------|-------------|--------------------|----------------|
| 41 mm | 45 mm | 15 mm | 64 mm | CHOMERICS T766 | GREEN ANODIZED |

NOTES:

- 1) Dimension C = heat sink height from bottom of the base to the top of the fin field.
- 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) 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).