

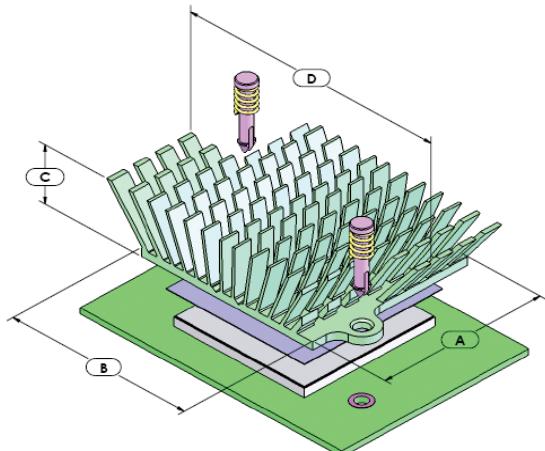


# maxiFLOW™ Cross Cut High Performance Heat Sinks with Metal Push Pin

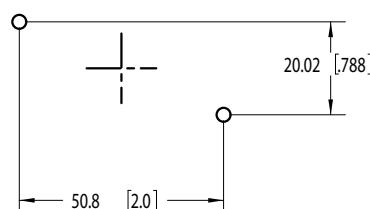
ATS PART # ATS-1042-C2-R0

## 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.
- » Brass pushpin with steel compression spring.
- » Recommended through hole size in PCB is 3.00 mm.



HOLE PATTERN B



## Thermal Performance

\*Image above is for illustration purposes only.

| 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.



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call: 781.769.2800 (North America); +31 (0) 3569 84715 (Europe).