

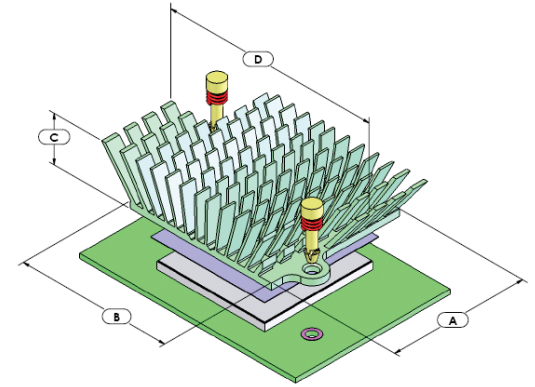
# maxiFLOW™ Cross Cut High Performance Heat Sinks with Plastic Push Pin



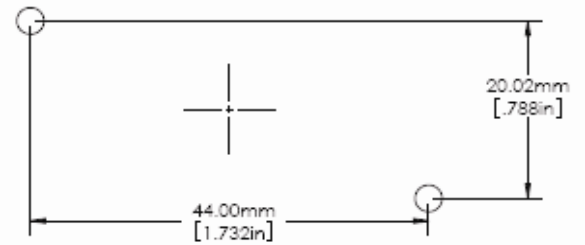
**ATS PART # ATS-1043-C1-R0**

## 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 push pin 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 | 1.9                                | 3.6               |
| 300          | 1.5 | 1.6                                | 2.8               |
| 400          | 2.0 | 1.3                                | 2.1               |
| 500          | 2.5 | 1.1                                | 1.6               |
| 600          | 3.0 | 1                                  | 1.3               |

## Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | INTERFACE MATERIAL | FINISH         |
|-------------|-------------|-------------|-------------|--------------------|----------------|
| 41 mm       | 45 mm       | 25 mm       | 79 mm       | CHOMERICS T-766    | 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
- 4) CONTACT ATS TO LEARN ABOUT CUSTOM OPTIONS AVAILABLE



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