# maxiFLOW ${ }^{\text {TM }}$ Cross Cut High Performance Heat Sinks with Hardware Attachment 

## ATS PART \# ATS-1042-C3-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 ${ }^{\text {TM }}$ 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.
» PEM Stand-off with compression and screws.
» Reccomended through hole size in PCB is 3.00 mm .


HOLE PATTERN B


Thermal Performance
*/mage above is for illustration purposes only.
AIR VELOCITY
THERMAL RESISTANCE ( ${ }^{\circ} \mathrm{C} / \mathrm{W}$ 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

| DIMENSIONA | 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.


Innovations in Thermal Management ${ }^{\circledR}$

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) 356984715 (Europe).

