# maxiFLOW™ Heat Sink for Half Brick DC-DC Converter

## ATS PART # ATS-1103-C1-R0

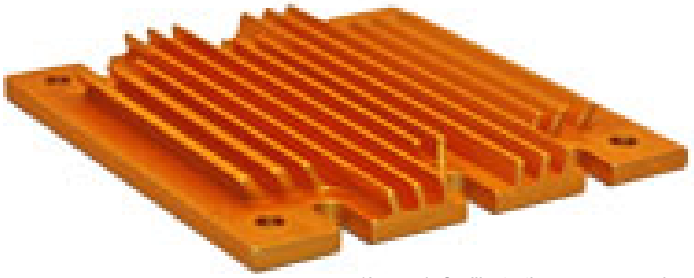


*Image is for illustration purposes only.

### Features & Benefits

- High performance maxiFLOW™ design features less pressure drop and more surface area that maximizes the effective convection (air) cooling
- Hole pattern fits standard half power brick modules
- Pre-assembled with Chomerics T766 phase change material
- Heat sink assembly packaged with 3 sets of screws (M3 Philips Pan Head) at 5, 6 and 8 mm lengths

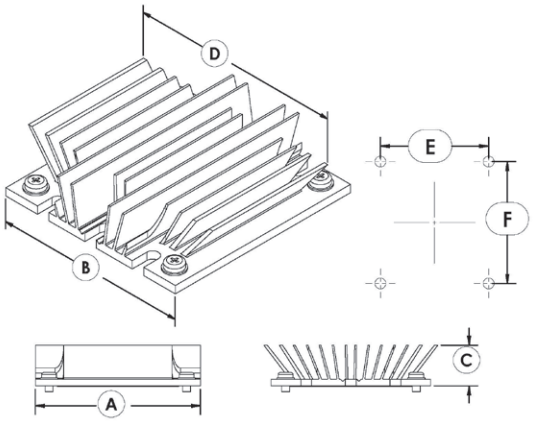
| Assembly Part Number<br>4 Screws per Set | Length (mm) |
|---|---|
| ATS-1103-C2-R0 | 5 |
| ATS-1103-C3-R0 | 6 |
| ATS-1103-C4-R0 | 8 |

### Thermal Performance

| AIR VELOCITY | | THERMAL RESISTANCE | |
|---|---|---|---|
| FT/MIN | M/S | °C/W (UNDUCTED FLOW) | °C/W (DUCTED FLOW) |
| 200 | 1.0 | 9.6 | 3.3 |
| 300 | 1.5 | 6.2 | |
| 400 | 2.0 | 4.8 | |
| 500 | 2.5 | 4.1 | |
| 600 | 3.0 | 3.6 | |
| 700 | 3.5 | 3.3 | |
| 800 | 4.0 | 3.0 | |

### Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | DIMENSION E | DIMENSION F | INTERFACE MATERIAL | FINISH |
|---|---|---|---|---|---|---|---|
| 61.0 mm | 59.0 mm | 6.1 mm | 50.6 mm | 48.3 mm | 50.8 mm | CHOMERICS T766 | GOLD ANODIZED |




**NOTES:**

1) Thermal performance data are provided for reference only. Actual performance may vary by application.
2) ATS reserves the right to update or change its products without notice to improve the design or performance.
3) Standard lead time is 4-6 weeks ARO.
4) Contact ATS to learn about custom options available.
5) Dimension C = heat sink height from bottom of the base to the top of the fin field.
6) Dimension D = Fin Tip to Fin Tip
7) Dimension E = Hole Width
8) Dimension F = Hole Length

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

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