



maxiFLOW™ Heat Sink for Eighth Brick DC-DC Converter

ATS PART # ATS-1181-C1-R0

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 eighth 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



**Image is for illustration purposes only.*

Assembly Part Number
4 Screws per Set

Length (mm)

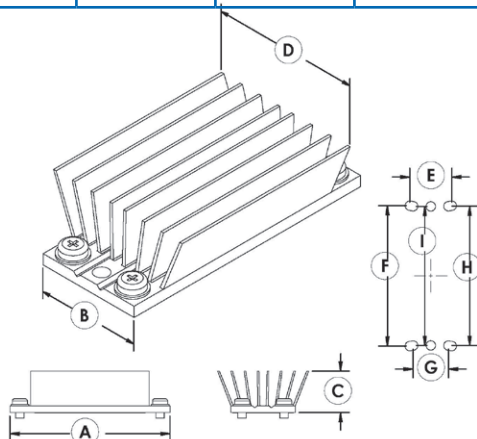
| | |
|----------------|---|
| ATS-1181-C2-R0 | 5 |
| ATS-1181-C3-R0 | 6 |
| ATS-1181-C4-R0 | 8 |

Thermal Performance

| AIR VELOCITY | | THERMAL RESISTANCE | |
|--------------|-----|----------------------|--------------------|
| FT/MIN | M/S | °C/W (UNDUCTED FLOW) | °C/W (DUCTED FLOW) |
| 200 | 1.0 | 2.6 | 1.9 |
| 300 | 1.5 | 2.0 | |
| 400 | 2.0 | 1.7 | |
| 500 | 2.5 | 1.6 | |
| 600 | 3.0 | 1.4 | |
| 700 | 3.5 | 1.3 | |
| 800 | 4.0 | 1.3 | |

Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | DIMENSION E | DIMENSION F | DIMENSION G | DIMENSION H | DIMENSION I | INTERFACE MATERIAL | FINISH |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|---------------|
| 59.0 mm | 23.0 mm | 22.9 mm | 39.1 mm | 15.2 mm | 50.8 mm | 12.8 mm | 50.4 mm | 51.3 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
- 9) Dimension G = Short Hole Width
- 10) Dimension H = Short Hole Length
- 11) Dimension I = Center Hole



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

For further technical information, please contact Advanced Thermal Solutions, Inc.

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