

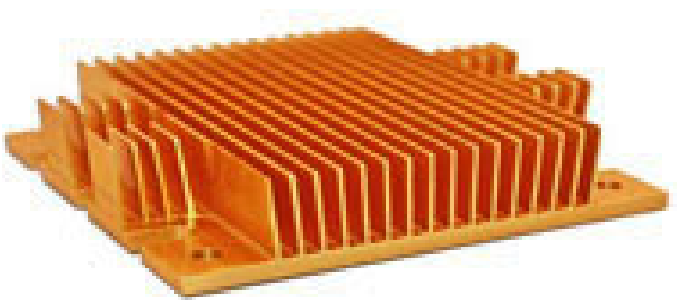


# maxiFLOW™ Heat Sink for Half Brick DC-DC Converter

**ATS PART # ATS-1144-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 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



*\*Image is for illustration purposes only.*

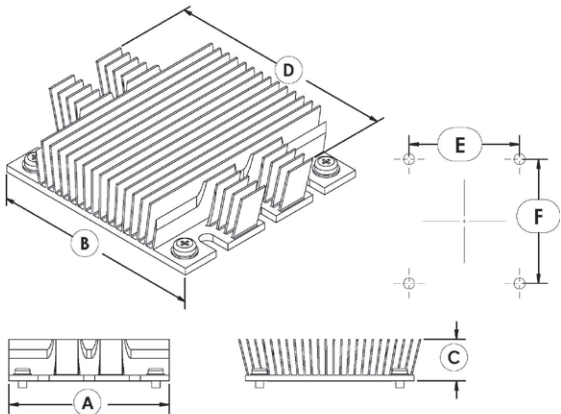
Assembly Part Number	Length (mm)
4 Screws per Set	
ATS-1144-C2-R0	5
ATS-1144-C3-R0	6
ATS-1144-C4-R0	8

## Thermal Performance

AIR VELOCITY		THERMAL RESISTANCE	
FT/MIN	M/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)
200	1.0	3.9	1.2
300	1.5	2.2	
400	2.0	1.6	
500	2.5	1.3	
600	3.0	1.1	
700	3.5	1.0	
800	4.0	0.9	

## Product Details

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E	DIMENSION F	INTERFACE MATERIAL	FINISH
59.0 mm	61.0 mm	11.4 mm	64.2 mm	50.8 mm	48.3 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



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Innovations in Thermal Management®

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

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