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

## R. H.S. COMPLIANT



#### **Features & Benefits**

- » High performance maxiFLOW<sup>™</sup> 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)
Screws per Set	

ATS-1144-C2-R0 5 ATS-1144-C3-R0 6

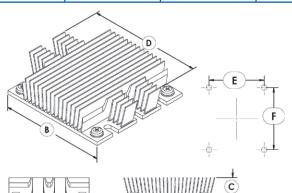
ATS-1144-C4-R0 8

#### **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	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	INTERFACE	FINISH
A	B	C	D	E	F	MATERIAL	
59.0 mm	61.0 mm	11.4 mm	64.2 mm	50.8 mm	48.3 mm	CHOMERICS T766	GOLD ANODIZED



#### **NOTES:**

- Thermal performance data are provided for reference only. Actual performance may vary by application.
- ATS reserves the right to update or change its products without notice to improve the design or performance.
- 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

