maxiFLOW[™] Heat Sink for Half Brick DC-DC Converter

ATS PART # ATS-1146-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



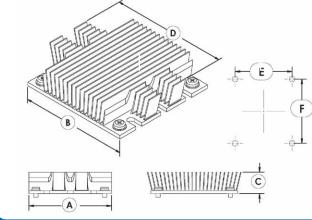
Assembly Part Number Length (mm) 4 Screws per Set 5 ATS-1146-C2-R0 ATS-1146-C3-R0 6 ATS-1146-C4-R0 8

Thermal Performance

AIR VELOCITY		THERMAL RESISTANCE		
FT/MIN	M/S	°C/W (UNDUCTED FLOW)	°C/W (DUCTED FLOW)	
200	1.0	1.3	0.6	
300	1.5	0.8		
400	2.0	0.6		
500	2.5	0.5		
600	3.0	0.5		
700	3.5	0.4		
800	4.0	0.4		

Product Details

DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	DIMENSION	INTERFACE	FINISH
A	B	C	D	E	F	MATERIAL	
59.0 mm	61.0 mm	22.9 mm	69.8 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.

ATS reserves the right to update or change its products without notice to improve the 2) design or performance. 3)

Standard lead time is 4-6 weeks ARO.

- Contact ATS to learn about custom options available. 4)
- 5) Dimension C = heat sink height from bottom of the base to the top of the fin field.

Dimension D = Fin Tip to Fin Tip 6)

- 7) Dimension E = Hole Width
- Dimension F = Hole Length 8)



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