

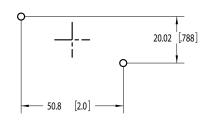
maxiFLOW<sup>™</sup> Cross Cut High Performance Heat Sinks with Plastic Push Pin

# **ATS PART # ATS-1042-C1-R0**

## **Features & Benefits**

- » For larger heat sinks and higher pre-loads, push pins with compression springs are an effective mounting choice. The push pin has a flexible barb at the end that is designed to engage with a pre-drilled hole in a PWB. The compression spring adds the necessary force to hold the assembly together. Provides better thermal performance than comparable size straight fin and pin fin heat sinks.
- » Features proven high performance maxiFLOW™ heat sink spread fin array to maximize cooling surfaces.
- » Ideal for tight spaced components where wider heat sinks can't be used.
- » Provided with pre-assembled thermal interface material centered on base.
- » Nylon pushpin with steel compression spring.
- » Reccomended through hole size in PCB is 3.00 mm.

### HOLE PATTERN B



\*Image above is for illustration purposes only.

# **Thermal Performance**

AIR VELOCITY		THERMAL RESISTANCE (°C/W UNDUCTED)		
FT/MIN	M/S	AIR FLOW STRAIGHT	AIR FLOW SIDEWAYS	
200	1.0	3.3	5.6	
300	1.5	2.5	4.3	
400	2.0	2.0	3.4	
500	2.5	1.8	2.6	
600	3.0	1.7	2.2	

# **Product Details**

DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	INTERFACE MATERIAL	FINISH
41 mm	45 mm	15 mm	64 mm	CHOMERICS T766	GREEN ANODIZED

#### NOTES

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



For more information, to find a distributor or to place an order, visit www.Qats.com or call: 781.769.2800 (North America); +31 (0) 3569 84715 (Europe).