

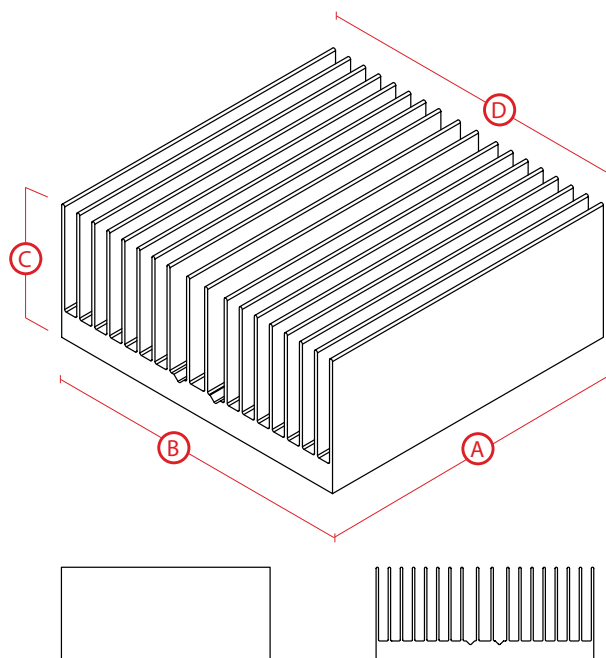


# High Performance BGA Cooling Solutions w/ Thermal Tape Attachment

**ATS PART # ATS-54190D-C2-R0**

## Features & Benefits

- » High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- » Designed specifically for BGAs and other surface mount packages
- » Comes preassembled with high performance thermal interface material



*\*Image above is for illustration purposes only.*

## Thermal Performance

| AIR VELOCITY |     | THERMAL RESISTANCE   |                    |
|--------------|-----|----------------------|--------------------|
| FT/MIN       | M/S | °C/W (UNDUCTED FLOW) | °C/W (DUCTED FLOW) |
| 200          | 1.0 | 22                   | 11.6               |
| 300          | 1.5 | 17.5                 |                    |
| 400          | 2.0 | 15.1                 |                    |
| 500          | 2.5 | 13.5                 |                    |
| 600          | 3.0 | 12.3                 |                    |
| 700          | 3.5 | 11.4                 |                    |
| 800          | 4.0 | 10.7                 |                    |

## Product Details

| DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | INTERFACE MATERIAL | FINISH         |
|-------------|-------------|-------------|-------------|--------------------|----------------|
| 19 mm       | 19 mm       | 9.5 mm      | 19 mm       | SAINT-GOBAIN C675  | BLACK-ANODIZED |

### NOTES:

- 1) Dimension C = heat sink height from bottom of the base to the top of the fin field.
- 2) Thermal performance data are provided for reference only. Actual performance may vary by application.
- 3) ATS reserves the right to update or change its products without notice to improve the design or performance.
- 4) Contact ATS to learn about custom options available.



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