# BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin



ATS Part#:

Description:

Heat Sink Type: Custo Heat Sink Attachment: N/A

Custom Pin Fin

ATS045045022-PF-15U

45.00 x 45.00 x 22.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin

Equivalent Part Number: N/A

\*Image above is for illustration purpose only.

#### **Features & Benefits**

- High efficiency pin fin design provides low pressure drop characteristics
- Large surface area increases heat sink performance
- · Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- · Comes standard without interface material or with most common pressure sensitive thermal tapes as a custom option

### **Thermal Performance**

AIR VELOCITY		@200 LFM 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 4.0 M/S
THERMAL RESISTANCE	Unducted Flow	2.28 °C/W	1.6 °C/W	1.3 °C/W	1.2 °C/W	1 °C/W	1 °C/W	0.9 °C/W
	Ducted Flow	1.3	1.1	0.9	0.9	0.8	0.8	0.7

## **Product Detail**

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	ТІМ	Finish
ning	45.00 mm	45.00 mm	22.00 mm	45 mm	N/A	BLACK-ANODIZED
Image above is for illustration purpose only.	<ul> <li>Dimension</li> <li>Dimension</li> <li>Thermal p application</li> <li>ATS resent performant</li> <li>ATS certifier</li> </ul>	n D is fin tip to fin tip performance data are n. rves the right to update nce. ies that this heat sin	neight from the botto	nce only. Actual perf ducts without notice -6 and REACH com	formanc to impr	e may vary by

For more information, to find a distributor or to place an order, please contact us at 781-769-2800 (North America), sales@qats.com or www.qats.com.



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