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ATS Part#:**ATS-61500D-C1-R0**

Description:53.00 x 53.00 x 9.50 mm BGA Heat Sink  
High Performance fanSINK™ with Push Pin Attachment

Component Specific:N/A

Heat Sink Type:fanSINK

Heat Sink Attachment:Push Pin

Installation Guide:N/A

Thermal Performance:See detail

Mechanical Drawing:See detail

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DATA SHEET

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- »Cross-Cut straightFIN heatsink fins offer omnidirectional air flow for optimum thermal performance independent of PCB lay-out,
- »Stainless steel screw fan attachment ensures dependable long-term fan to heat sink assembly. 4-40 thread screws are supplied: Modes D-R in 4 lengths (1/2", 3/4", 7/8", 1"). Model W in 2 lengths (1", 1 1/8"). Contact ATS for custom options available..
- »Fan assembly hole pattern is 32 mm C-C (center to center) - see Figure 1
- »Screw PEM push pin attachment included
- »Provided with pre-assembled Thermal Interface Material (TIM) centered on base.
- »Recommended through hole size in PCB is 3.00 mm
- »Please Note: FANS NOT INCLUDED. Fan type is specific to each customer application. Fans need to be sourced independently.

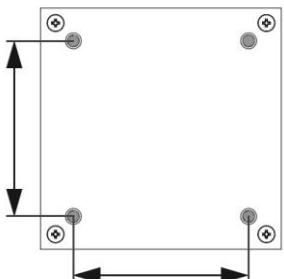





Figure 1

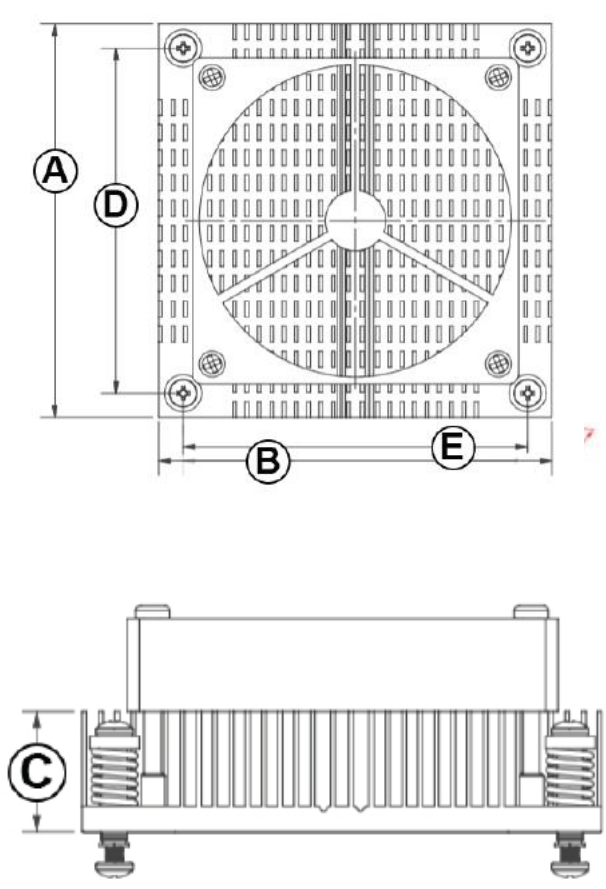
Heat Sink Part No	L (mm)	W (mm)	H (mm)	Fan Sink Thermal Resistance (°C/W)			
ATS-61500D-C1-R0	53.0	53.0	9.5	1.80	1.80	1.35	1.35
ATS-61500K-C1-R0	53.0	53.0	14.5	1.09	1.10	0.90	0.89
ATS-61500R-C1-R0	53.0	53.0	19.5	0.82	0.82	0.67	0.65
ATS-61500W-C1-R0	53.0	53.0	24.5	0.66	0.67	0.56	0.56
FAN MANUFACTURER				Delta	Sunon	Delta	San Ace
FAN PART NO.				AFB0412VHA-AF00	MF40101VX-10000-A99	AFB0612VHB-F00	9GA0412P7G001
FAN SIZE (mm)				40 X 40 X 10	40 X 40 X 10	40 X 40 X 15	40 X 40 X 15

Product Details


Part Number	Length (A) (mm)	Width (B) (mm)	Height (C) (mm)	Fan Assembly Hole Pattern Center to Center (D) (E) (mm)	TIM	Finish	Data Sheet	RoHS & REACH
ATS-61500D-C1-R0	53.0	53.0	9.5	44.0	Chomerics T412	Black		 

- ApplicationNotesThermal PerformanceTechnical Data

Thermal Performance

Schematic Image	AIR VELOCITY		THERMAL RESISTANCE	
	FT/MIN	M/S	°C/W Unducted Flow	°C/W Ducted Flow
	100	0.5	N/A	N/A
	200	1.0	N/A	N/A
	300	1.5	N/A	N/A
	400	2.0	N/A	N/A
	500	2.5	N/A	N/A
	600	3.0	N/A	N/A
	700	3.5	N/A	N/A
	800	4.0	N/A	N/A

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53.0 x 53.0 x 14.5mm BGA Heat Sink - High Performance fanSINK™ with maxiGRIP™ Attachment

ATS Part#:

ATS-61500K-C1-R0

Description:

53.00 x 53.00 x 14.50 mm BGA Heat Sink  
High Performance fanSINK™ with Push Pin Attachment

Component Specific:

N/A

Heat Sink Type:

fanSINK

Heat Sink Attachment:

Push Pin

Installation Guide:

N/A

Thermal Performance:

See detail

Mechanical Drawing:

See detail

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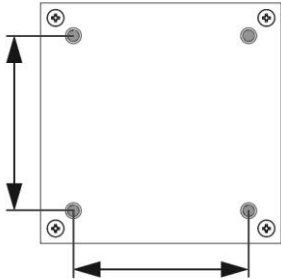


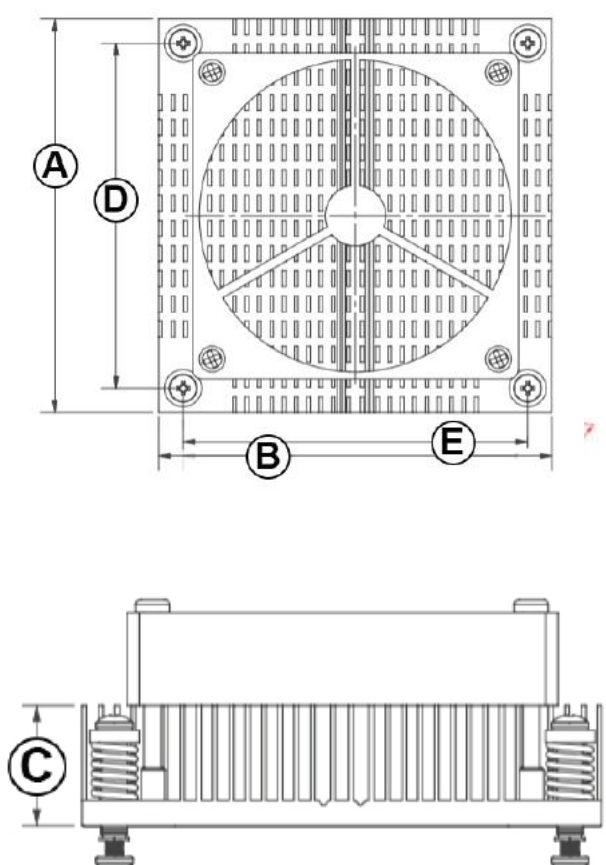
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	600	3.0	N/A	N/A
	700	3.5	N/A	N/A
	800	4.0	N/A	N/A

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ATS Part#:

ATS-61500R-C1-R0

Description:

53.00 x 53.00 x 19.50 mm BGA Heat Sink  
High Performance fanSINK™ with Push Pin Attachment

Component Specific:

N/A

Heat Sink Type:

fanSINK

Heat Sink Attachment:

Push Pin

Installation Guide:

N/A

Thermal Performance:

See detail

Mechanical Drawing:

See detail

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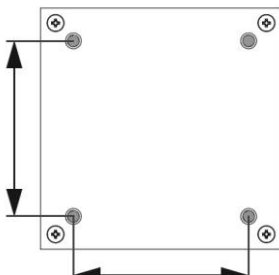





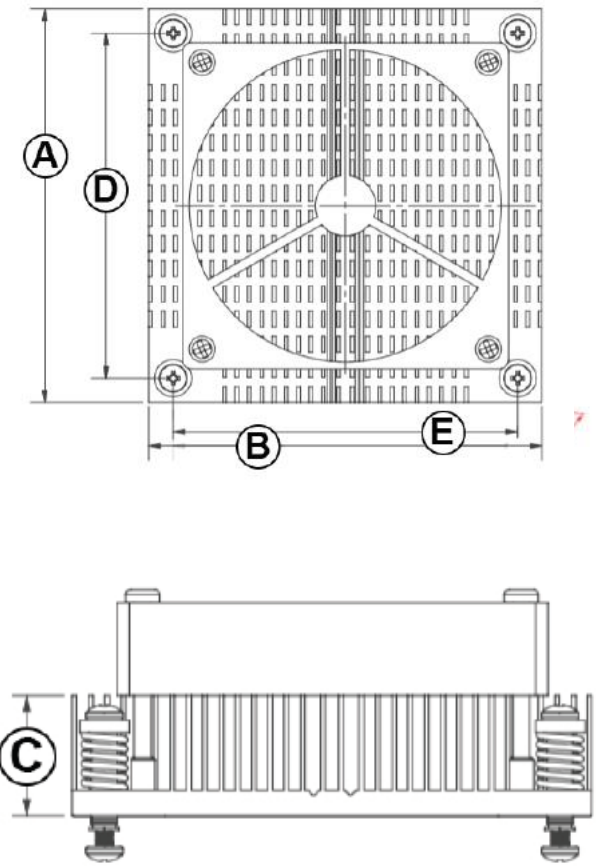
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ATS Part#:

ATS-61500W-C1-R0

Description:

53.00 x 53.00 x 24.50 mm BGA Heat Sink  
High Performance fanSINK™ with Push Pin Attachment

Component Specific:

N/A

Heat Sink Type:

fanSINK

Heat Sink Attachment:

Push Pin

Installation Guide:

N/A

Thermal Performance:

See detail

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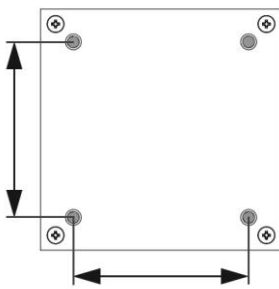


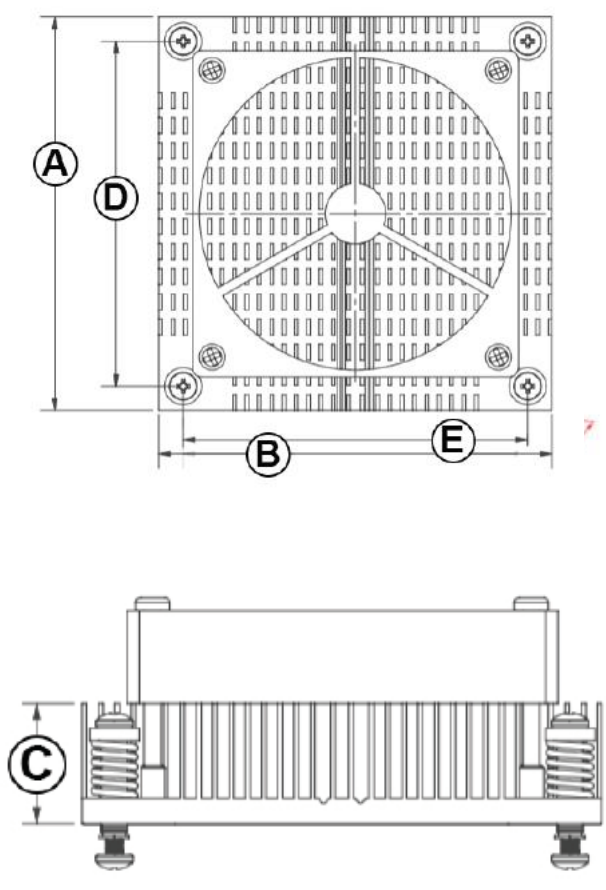
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