

U15

2U Active Air Cooler

PRODUCT SPECIFICATIONS

U15 | Socket LGA1851/1700/1200/115X/AM5/AM4

Model Number: U15

- Recommend for Intel® and AMD® CPU as following
 - Intel® Socket LGA 1851/1700/1200/115X Processor
 - AMD® Socket AM5/AM4 Processor
- Active Cooler for 2U Application

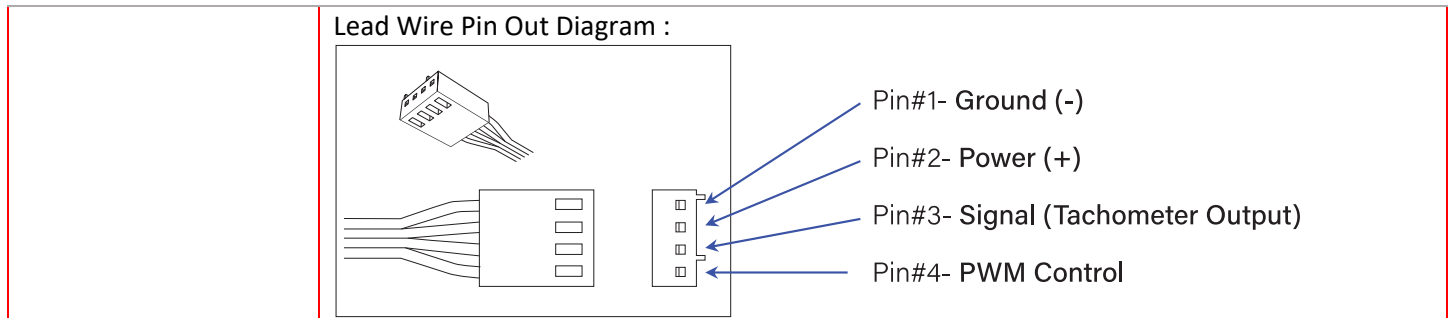
Overall Specification

Dimension	101.3 x 101 x 62.6 mm
Weight	Pending
Material	Aluminum Base & Aluminum Fins with Heat Pipe
Fan	92.0 x 92.0 x 12.0 mm Axial fan fan with PWM Function
Thermal Grease	SHIN-ETSU X23-8079-2 (OR EQUIVALENT)
TDP-Intel	145 W at 30° ambient temperature
TDP-AMD	146 W at 30° ambient temperature

Cooling Fan Specification

Dimension	92.0 x 92.0 x 12.0 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 800 ± 200 RPM At Duty Cycle 50%: 1900 ± 10% RPM At Duty Cycle 100%: 3200 RPM
Input Power	At Duty Cycle 0~20%: 0.2 W At Duty Cycle 50%: 0.5 W At Duty Cycle 100%: 1.6 W
Maximum Airflow	At Duty Cycle 0~20%: 9.88 CFM At Duty Cycle 50%: 21.38 CFM At Duty Cycle 100%: 35.78 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.28 mm-H2O At Duty Cycle 50%: 1.22 mm-H2O At Duty Cycle 100%: 3.21 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 22.3 dBA At Duty Cycle 50%: 26.1 dBA At Duty Cycle 100%: 36.2 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Black (+) Pin#3- Black (Tachometer/ Signal Output) Pin#4- Black (PWM)

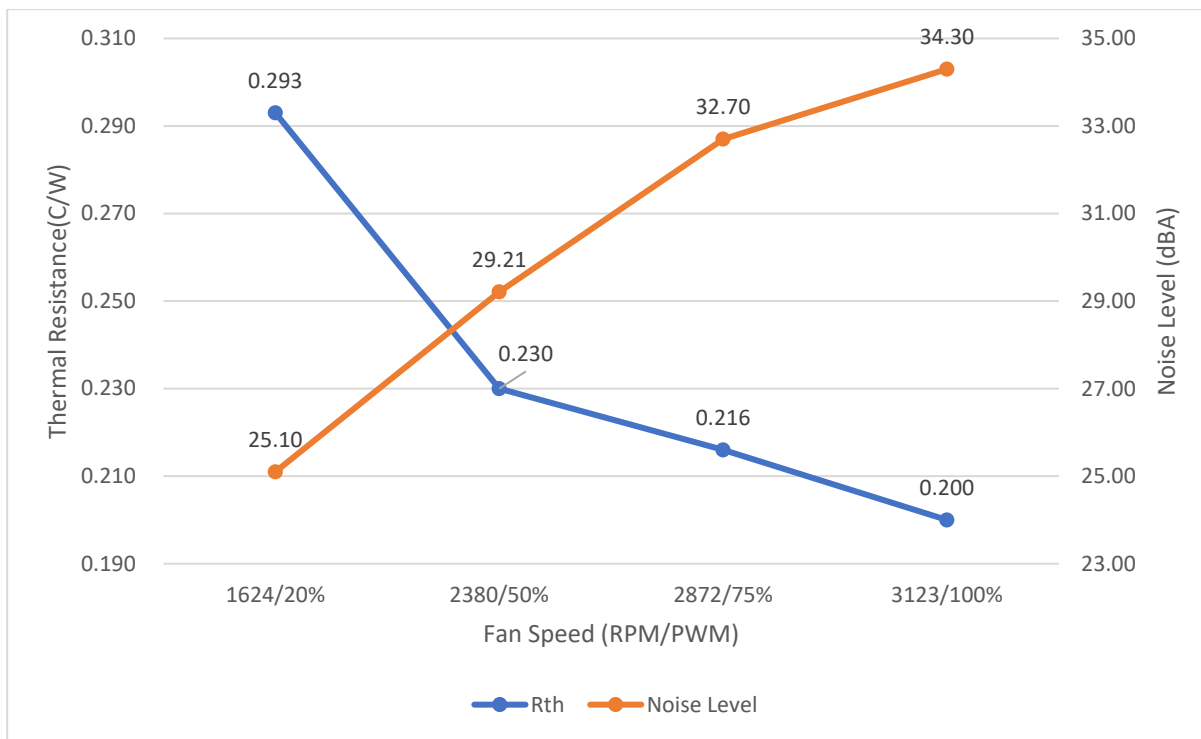
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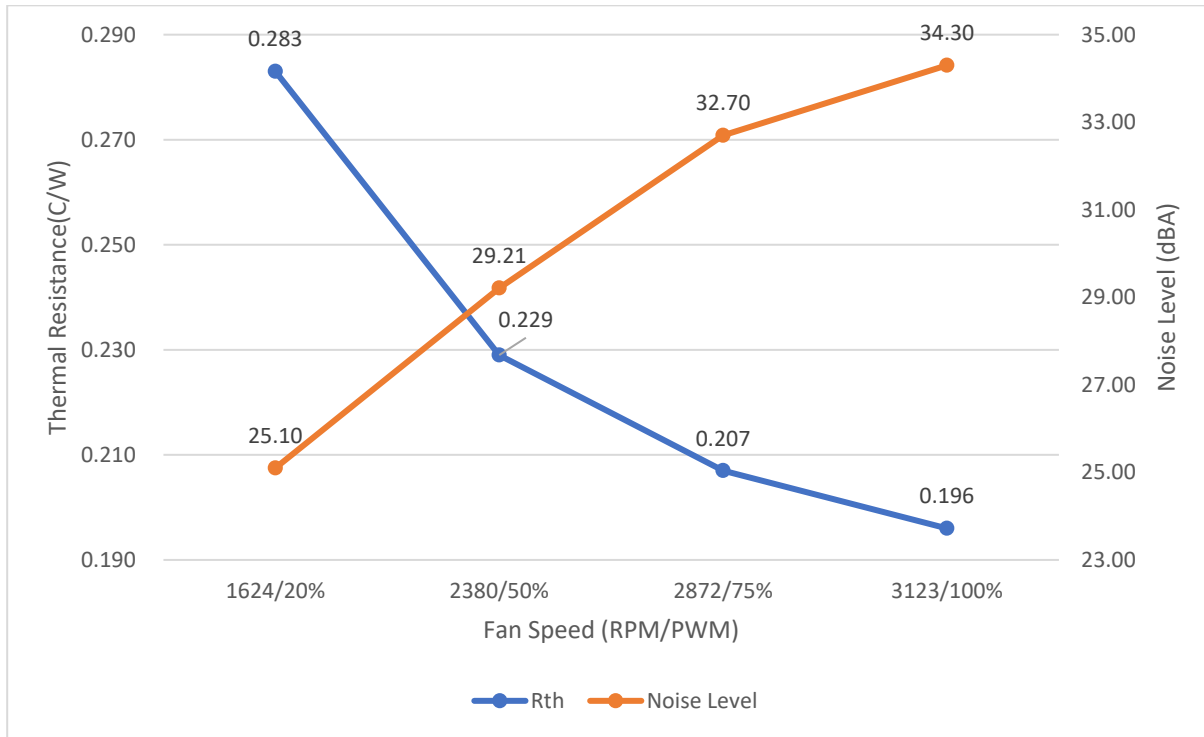


Performance Chart: Active Cooler U15 Thermal Resistance

Active Cooler U15 Cooling Performance vs. Fan Speed

LGA 1700



U15 | Socket LGA1851/1700/1200/115X/AM5/AM4**AM5**

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CONFIDENTIAL DOCUMENT

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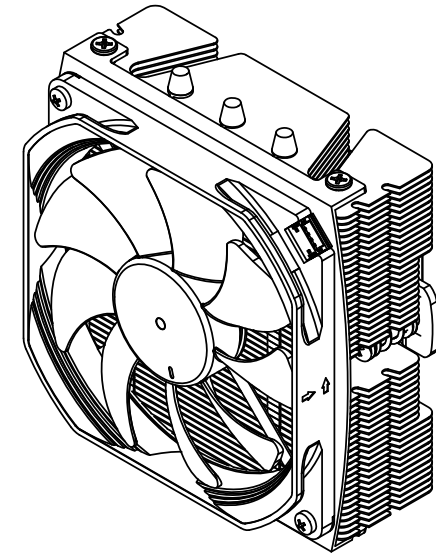
REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelZ	11/19/24

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10	Screw, M3	STEEL	4
9	Screw, M3	STEEL	4
8	Spring	SWC	2
7	O-Ring	STEEL	2
6	Plate Screw	STEEL	2
5	Bracket	SK7	2
4	Heatsink	ALUMINUM FINS, Aluminum BASE, HEATPIPER	1
3	Fan Bracket	STEEL	1
2	Fan, 9212, 3200RPM	PLASTIC	1
1	Fan Installation Screw, M3	STEEL	3
ITEM #	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 DYNATRON CORPORATION
DRAWN	11/19/2024	MichaelZ	TITLE: U15 BOM & exploded Assembly Drawing
CHECKED	11/19/2024	MichaelZ	
ENG.APPR.			
MFG.APPR.			
COMMENTS:			DWG. NO. DYN-EP-U15
			REV 0.0

NOTES:
THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelZ	11/19/24

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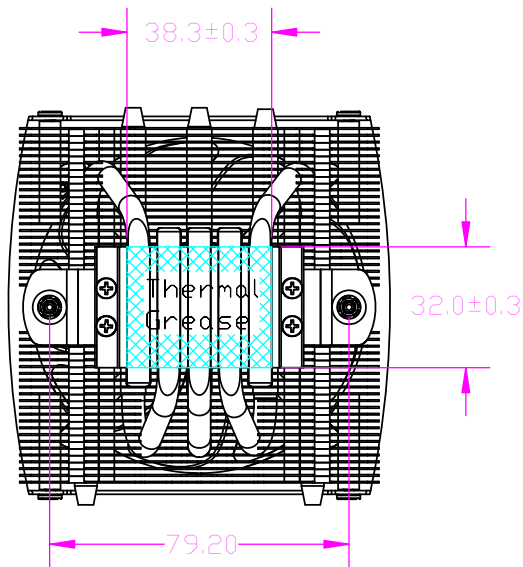
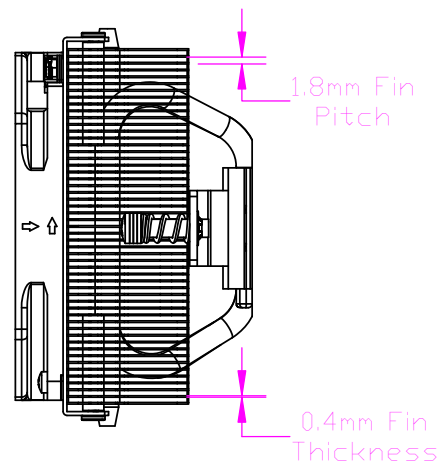
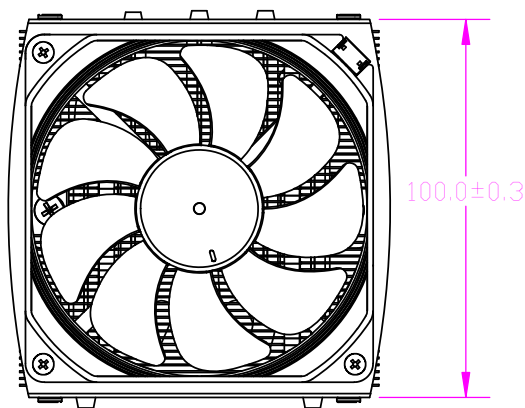
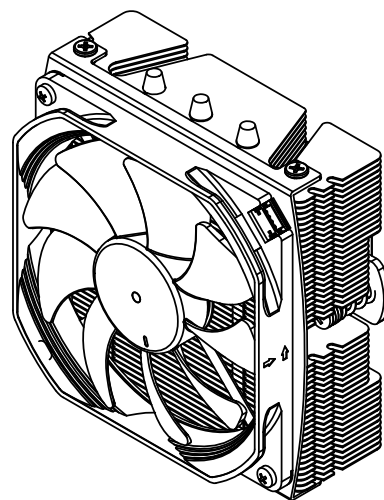
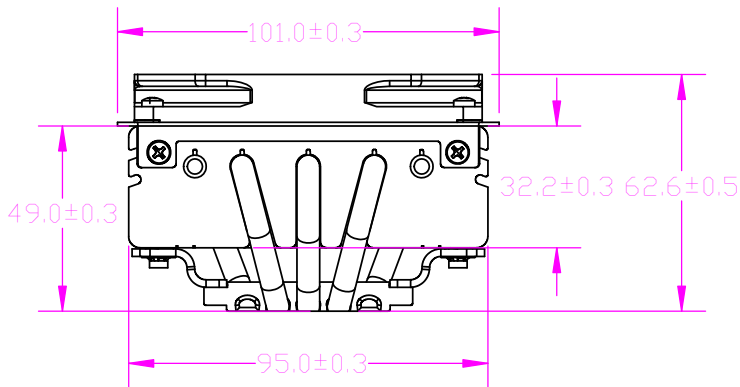
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	NAME	DATE
DRAWN BY	MichaelZ	11/19/2024
CHECKED BY	MichaelZ	11/19/2024
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MFG.APPROVED		

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DYNATRON CORPORATION

TITLE:

U15 Overall Dimension Drawing

VIEW		DWG. No:	REV.
UNITS	MM	DYN-BD-U15	0.0

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Document History:

11/19/2024: Initial release