

Application :

- Recommend for Intel® Xeon® Platinum / Gold Family Processor (products formerly Skylake), Socket FCLGA3647
- **For Narrow ILM Only**
- Active Cooler for 1U Server

Overall Specification :

- Dimension: 108 x 81 x 28 mm
- Weight: 500g
- Material : Copper1100 Heatsink with Vapor Chamber Base
- 8013 Aluminum PWM Blower for Heat Exhausting
- Convenient Heat Sink Screw captive mounting
- Thermal Grease Shin-Etsu 7762 Pre-printed
- Support CPU power up to 205 Watts heat dissipation
- Includes both Fabric and Non-Fabric Package Carriers

Blower Specification:

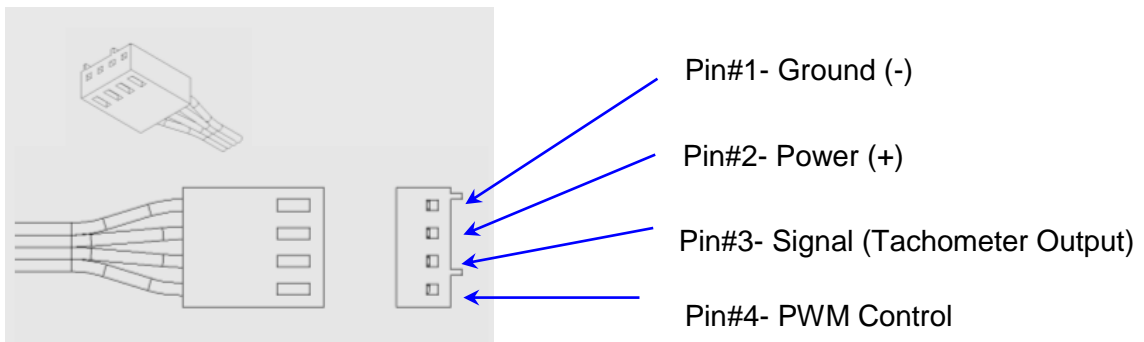
- Model Number: DB128013BU-PWVG
- Dimension: Ø80 x 13 mm
- Bearing: Ball Type, Double
- Rated Voltage: 12V
- Rated Speed:
 - At Duty Cycle 0~20%: 1500 ± 200 RPM
 - At Duty Cycle 50%: 4000 ± 10% RPM
 - At Duty Cycle 100%: 8000 ± 10% RPM
- Rated Input Power:
 - At Duty Cycle 0~20%: 1.44 W
 - At Duty Cycle 50%: 4.80 W
 - At Duty Cycle 100%: 19.2 W
- Rated Airflow:
 - At Duty Cycle 0~20%: 4.30 CFM
 - At Duty Cycle 50%: 11.6 CFM
 - At Duty Cycle 100%: 22.80 CFM

- Rated Static Pressure:
 - At Duty Cycle 0~20%: 3.0 mm-H₂O
 - At Duty Cycle 50%: 21.0 mm-H₂O
 - At Duty Cycle 100%: 83.8 mm-H₂O

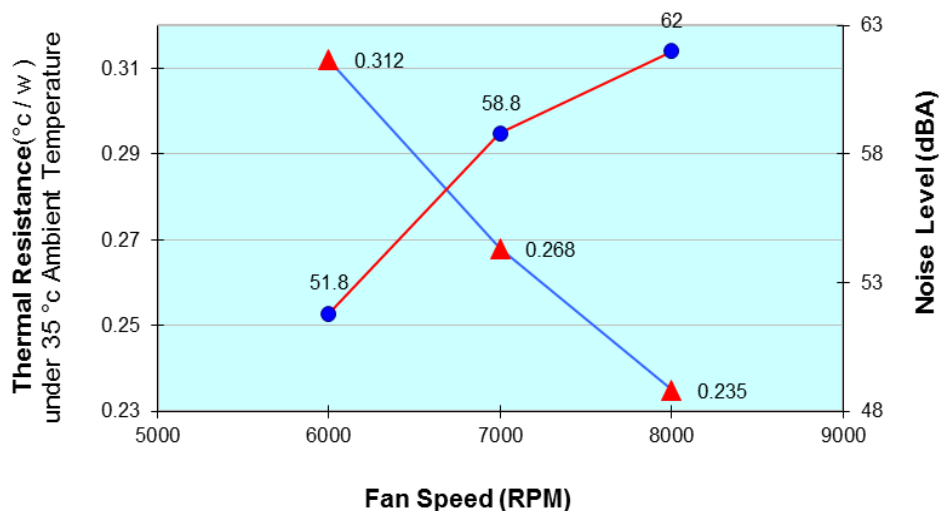
- Rated Acoustical Noise:
 - At Duty Cycle 0~20%: 25.6 dBA
 - At Duty Cycle 50%: 46.9 dBA
 - At Duty Cycle 100%: 62.0 dBA

- Lead Wire Pin Out:
 - Pin#1-Black(-)
 - Pin#2- Yellow(+)
 - Pin#3- Green(Tachometer/ Signal Output)
 - Pin#4- Blue (PWM)

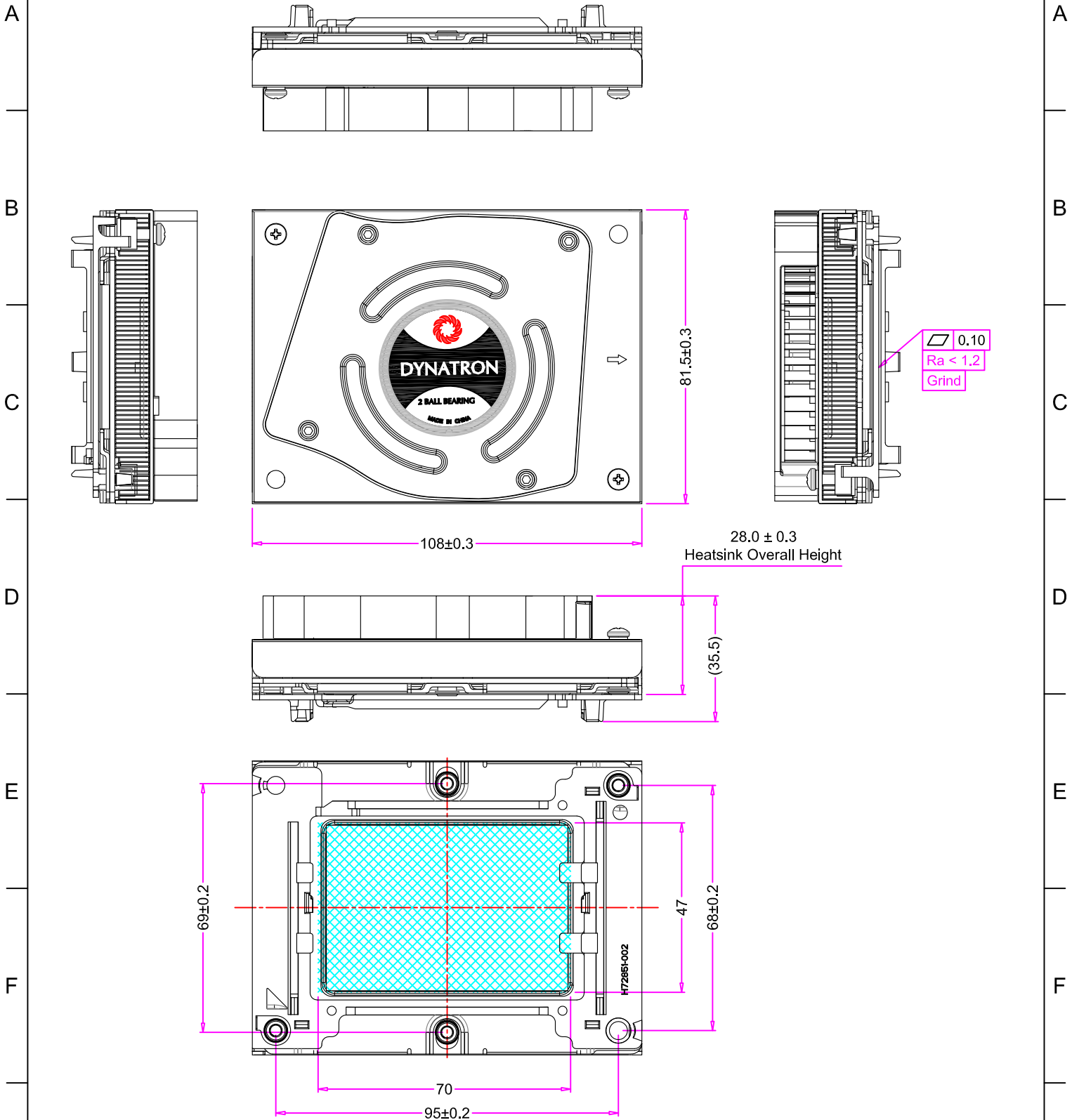
- Lead Wire Pin Out Diagram :



Active Cooler B16 Thermal Performance Curve :



REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	LANG	08/29/17



Note :
Cooler B16 with Intel Non-Fabric Package Carrier Installed

	NAME	DATE
DRAWN BY	ENGR	08/29/2017
CHECKED BY	LANG	08/29/2017
ENG. APPROVED		
MFG. APPROVED	-	-



DYNATRON CORPORATION

TOP MOTOR

TITLE: **1U Active Cooler B16**
Overall Dimension Drawing

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VIEW	
UNITS	MM

DWG. No: **DYN-DM-B16**

REV. **0.0**