

B9

1U Active Air Cooler

PRODUCT SPECIFICATIONS

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B9 | Socket LGA 3647/Square

Model Number: B9

- Recommend for Intel® Xeon® Platinum /Gold/Silver/Bronze Family Processor (formerly Cascade Lake, Skylake), Socket FCLGA 3647 Square ILM
- Active Cooler for 1U Server and up

Overall Specification

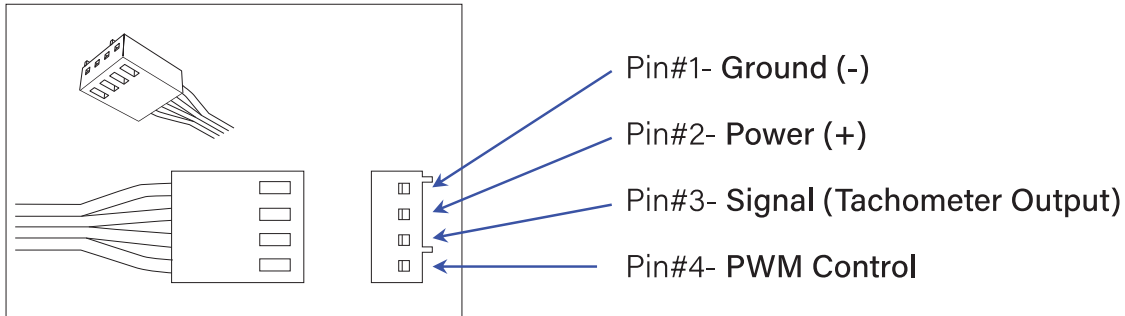
Dimension	93 x 90.5 x 28 mm
Weight	470g
Material	Copper1100 Heatsink with Vapor Chamber Base
Fan	9015 Aluminum Frame PWM Blower for Heat Exhausting
Mounting Method	Convenient Heat Sink Screw Captive Mounting
Package Carriers	For Processor Included
Thermal Grease	Shin-Etsu 7762 or Equivalent
TDP	Support CPU Power up to 205 Watts Heat Dissipation

Fan Specification

Model Number	DB129015BH-PWM
Dimension	Ø90 x 15 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1000 ± 200 RPM At Duty Cycle 50%: 2500 ± 10% RPM At Duty Cycle 100%: 5000 ± 10% RPM
Input Power	At Duty Cycle 0~20%: 1.2 W At Duty Cycle 50%: 2.6 W At Duty Cycle 100%: 12 W
Maximum Airflow	At Duty Cycle 0~20%: 6.8 CFM At Duty Cycle 50%: 11.0 CFM At Duty Cycle 100%: 19.0 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 2.8 mm-H ₂ O At Duty Cycle 50%: 18 mm-H ₂ O At Duty Cycle 100%: 46 mm-H ₂ O
Acoustical Noise	At Duty Cycle 0~20%: 16 dBA At Duty Cycle 50%: 31.5 dBA At Duty Cycle 100%: 46.4 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output)

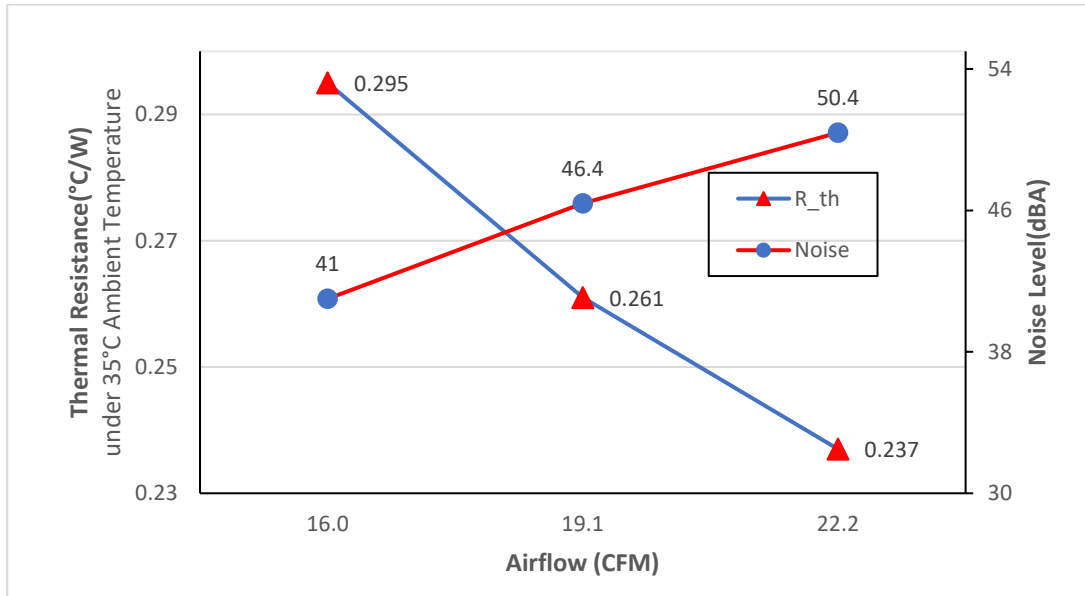
Pin#4- Blue (PWM)01

Lead Wire Pin Out Diagram

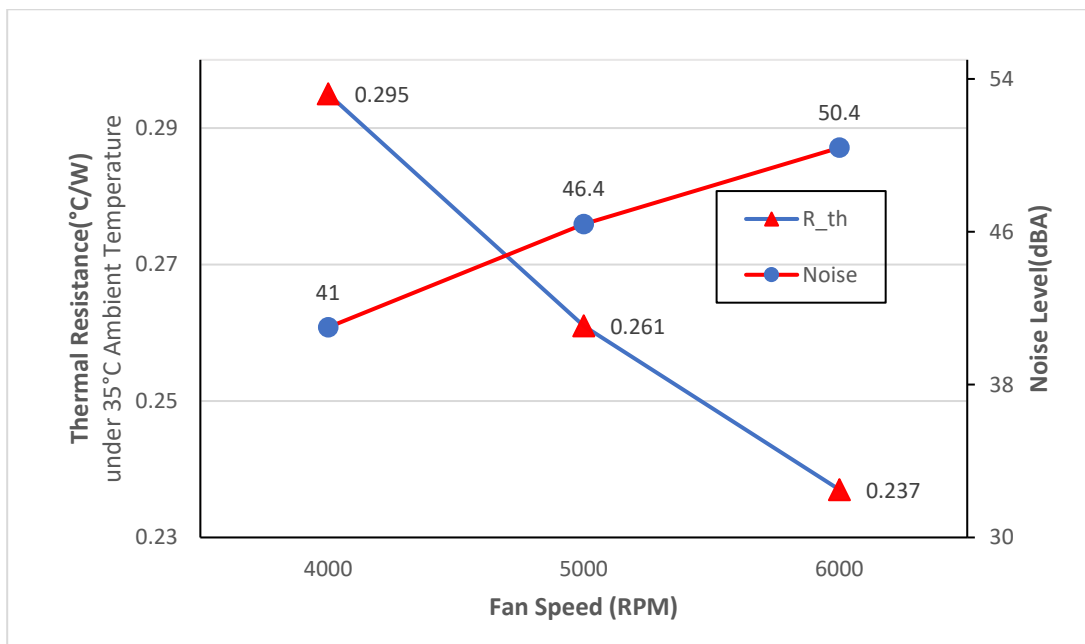


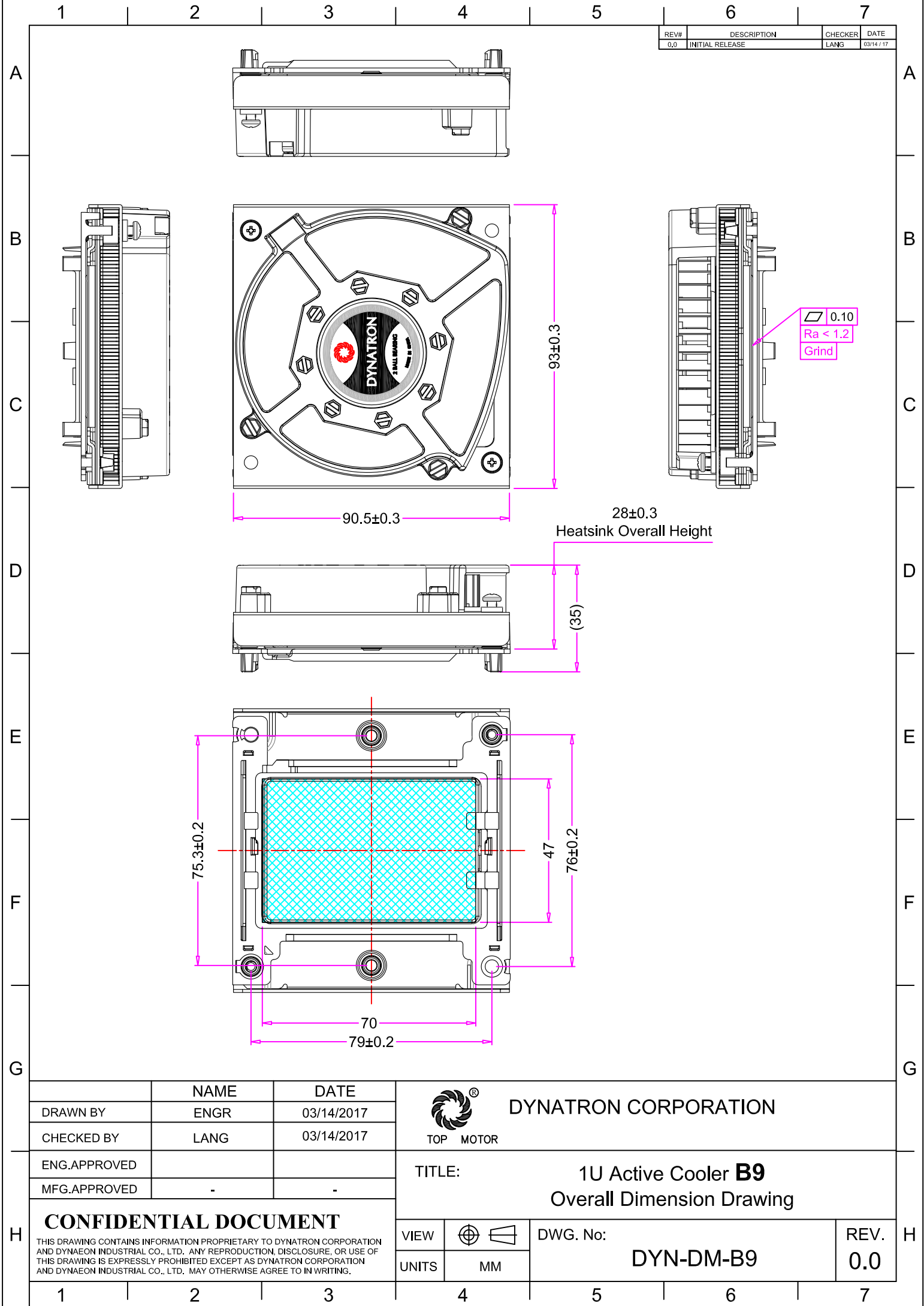
Performance Chart: Active Cooler B9 Thermal Resistance

Cooling Performance vs. Airflow



Cooling Performance vs. Fan Speed

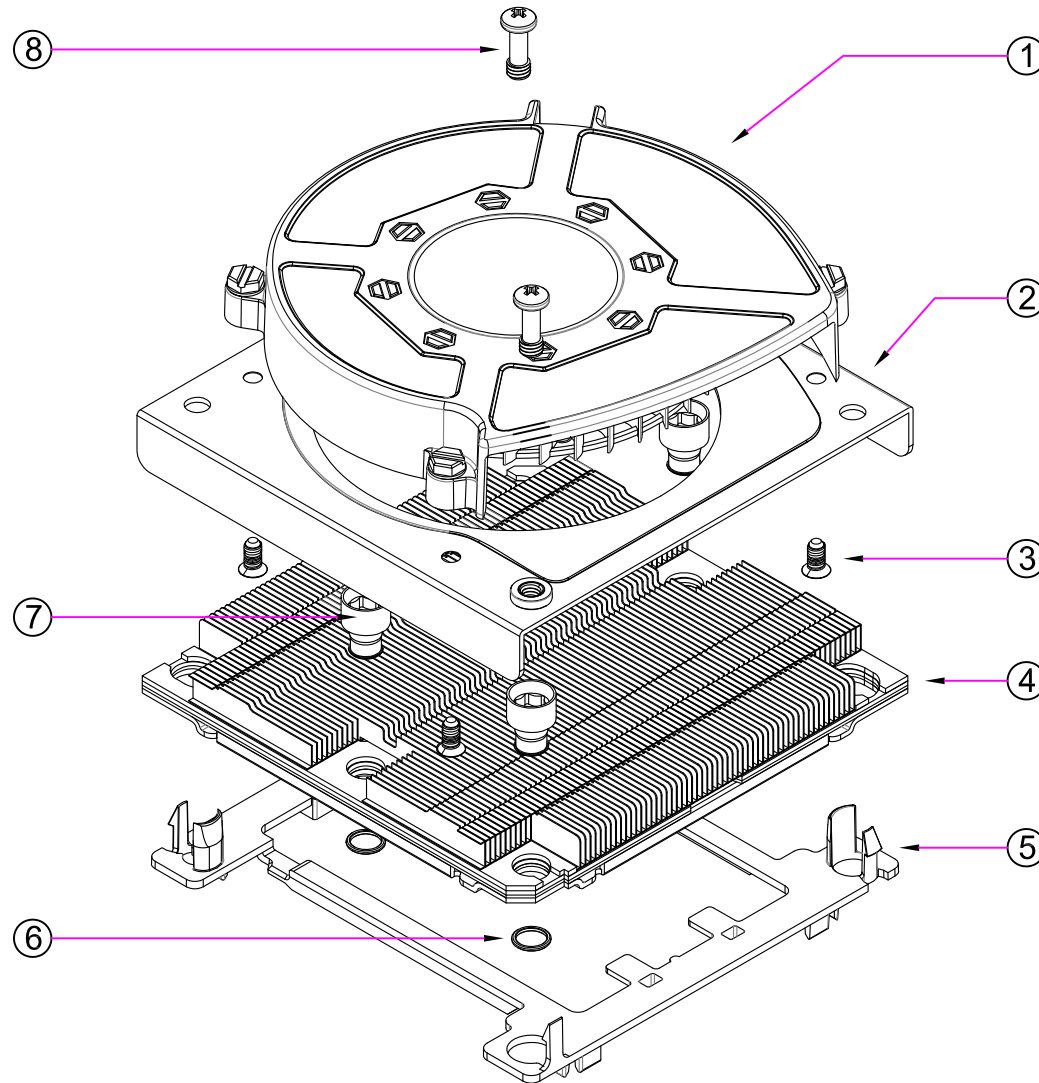




CONFIDENTIAL DOCUMENT

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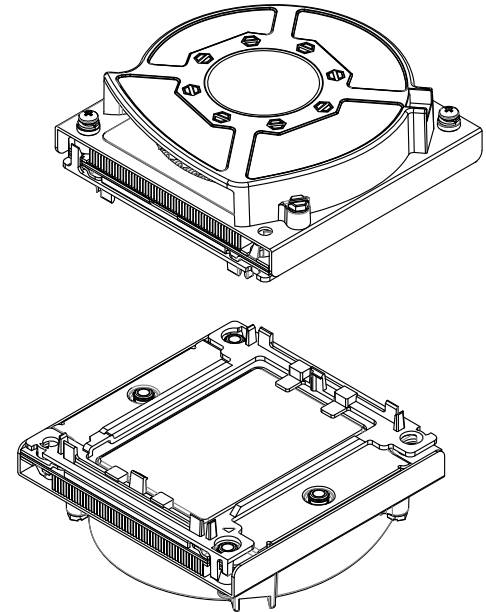
ASSEMBLY PARTS



NOTES:

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. OVERALL DIMENSION : 93 x 90.5 x 28 mm
3. OVERALL WEIGHT : 470g

WHOLE SET OF HEATSINK



9	THERMAL GREASE, PRE-PRINT	SHIN-ETSU 7762	1
8	SCREW, BLOWER COVER MOUNTING	STEEL	2
7	HEATSINK NUT, M4	SUS 316 ANNEALED	4
6	CALLAR	NY66 A205F	4
5	INTEL PACKAGE CARRIER	PLASTIC	1
4	HEATSINK, STACKED FIN	COPPER 1100, VC BASE SK7 STIFFENER COPPER 1100 FIN	1
3	SCREW, BLOWER MOUNTING	STEEL	4
2	BLOWER COVER	ALUMINUM	1
1	BLOWER, DB129015BU-PWM (6000RPM)	ALUMINUM FRAME	1
ITEM#	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 DYNATRON CORPORATION
DRAWN	03/14/2017	Engr	TITLE: 1U Active Cooler B9 BOM & Exploded Assembly Drawing
CHECKED	03/14/2017	LANG	
ENG. APPR.			
MFG. APPR.			
Q.A.			
COMMENTS:			DWG. No: DYN-EP-B9
			REV 0.0



Certificate of Environment Protection

環保證明書

Document Number: RH-B9-R0

Customer: 客戶名稱:	Company: _____ Address: _____ Phone Number: _____ - _____ - _____
Issue Date:	06/02/2016
Product Model Number:	B9

Dynatron Corporation hereby declares and certifies that all components manufactured are RoHS compliant according to the definitions and restrictions given by the European Union's Restriction (Directive 2002/95/EC) (Decision 2011/65/EU) RoHS 2, on the restriction of the use of certain Hazardous Substances in the electrical and electronic equipment. Also, compliance to the most recent list of substances on the REACH candidate list.

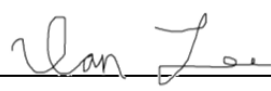
Number of substances on the Candidate List: 168 (last updated: 17/12/2015)

No exemptions are claimed in order for the part to be compliant with the RoHS directive.

Dynatron Corporation / 政久興業股份有限公司 證明所有產品、零件 (包括附屬品, 包裝類) 之環境管理物質完全符合 RoHS, WEEE, 及該環保標準之規定, 並承諾遵循以上之證明。

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Title (職務): _____ ASSISTANT-MANAGER

Signature (簽字): _____ 

Date: 06 / 02 / 2016